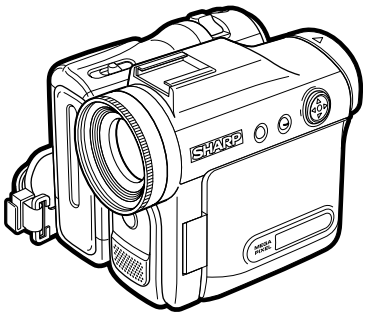
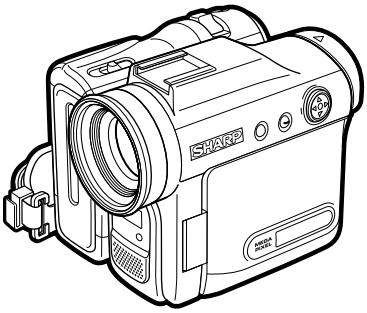
SHARP SERVICE MANUAL

S34Q4VL-Z700S



VL-Z700S-T/Z800S-S/E-S/E-T



VL-Z900H-S/Z950S-S/E-A/E-S/E-T/E-W

LIQUID CRYSTAL DISPLAY CAMCORDER PAL

MODELS

VL-Z700S-T
VL-Z800S-S/E-S/E-T
VL-Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

1. SPECIFICATIONS

Signal System:	PAL standard
Recording System:	2 rotary heads, helical scanning system
Cassette:	Digital VCR Mini DV video cassette
Recording/Playback Time:	90 minutes (DVM60, LP mode)
Tape Speed:	SP mode: 18.831mm/second LP mode: 12.568 mm/second
Pickup Device:	1/4" (6.4 mm, effective size: 3.0 mm) CCD image sensor (with approx. 1,330,000 pixels including optical black, effective pixels: 690,000 pixels in Tape Camera mode, 1,250,000 pixels in Card Camera mode)
Lens:	10 × optical zoom lens (F1.8, f=3.8-38.0 mm)
Lens Filter Diameter:	30 mm
Monitor:	2.5" (6.4 cm) CGSilicon
Viewfinder:	0.16" LCD panel (with 113.578 pixels), slide type
Built-in Microphone:	Electret stereo microphone
Color Temperature Compensation:	Auto white balance with white balance lock, outdoor or in door
Minimum Illumination:	3 lux* (with gain-up, F1.8)
Still Image Compression System:	JPEG base line conformance
Still Image Recording Format:	JPEG (Exif2.2)
USB Terminal:	Mini-B type connector (USB 1.1 version)
DV terminal:	4 pin connector (i.LINK)
Still Image Recording Medium:	SD Memory Card, MultiMediaCard
Power Requirement:	DC 7.4 V
Power Consumption:	3.8 W (during camera recording in Tape Camera mode using the viewfinder in Full Auto mode with the DIS function on) 4.3 W (during camera recording in Tape Camera mode using the LCD monitor in Full Auto mode with the DIS function and backlight in normal mode)
Operating Temperature:	0°C to +40°C
Operating Humidity:	30% to 80%
Storage Temperature:	–20°C to +60°C
Dimensions (approx.):	VL-Z800/Z700: 82.9 mm (W) × 86.2mm (H) × 100.8 mm (D) VL-Z900/Z950: 82.9 mm (W) × 86.2mm (H) × 103.3 mm (D)
Weight (approx.):	VL-Z800/Z700: 495 g VL-Z900/Z950: 500 g (without battery pack, lithium battery, video cassette, lens cap and card)

AC Adapter (UADP-A053TAZZ)

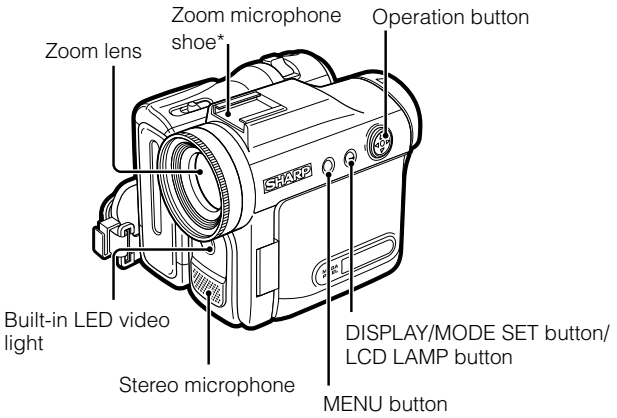
Power Requirement:	AC 110-240 V, 50/60 Hz
DC Output:	10 V
Dimensions (approx.):	49.0 mm (W) × 27.5 mm (H) × 79.0 mm (D)

Specifications are subject to change without notice.

*Minimum illumination: Since there is no widely accepted testing procedure for determining minimum illumination capability, lux ratings are comparable only between models from the same manufacturer.

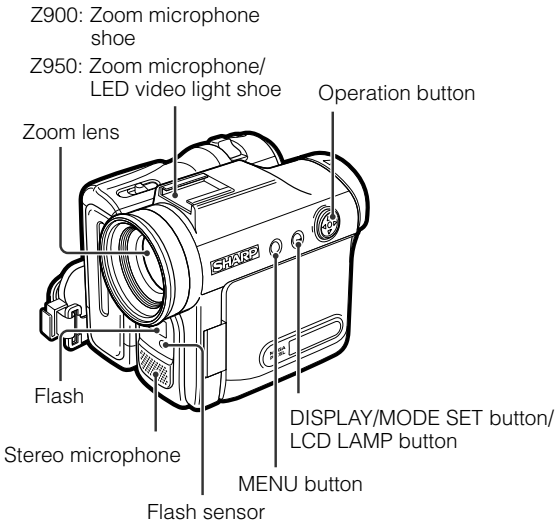
2. PART NAMES

Front view VL-Z800/Z700

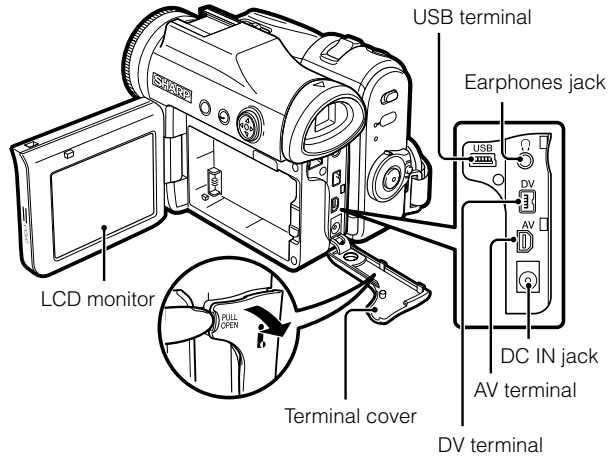


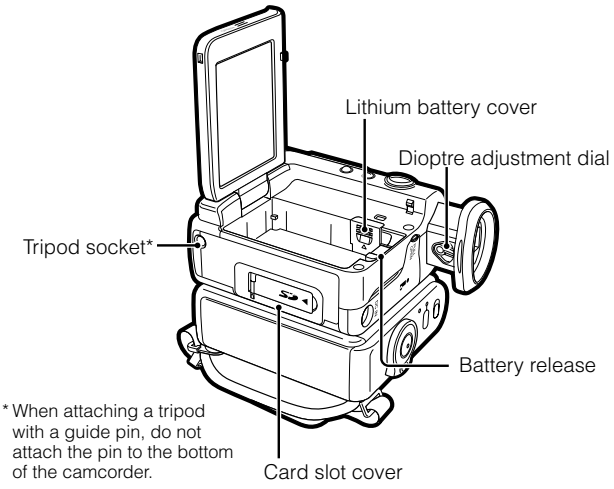
* The zoom microphone shoe is designed only for the optional zoom microphone VR-8MC. Accessories, such as a video light, cannot be used.

Front view VL-Z900/Z950



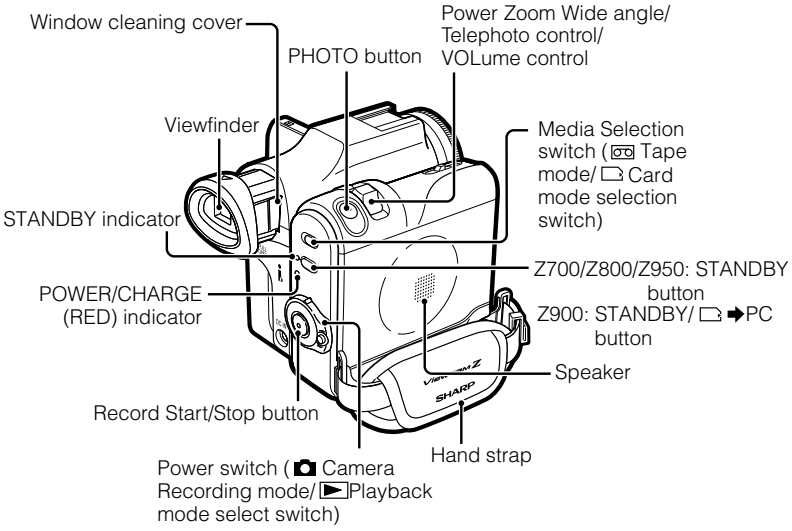
Left view

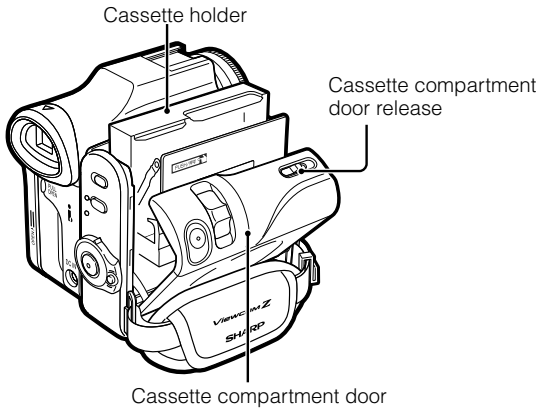




* When attaching a tripod with a guide pin, do not attach the pin to the bottom of the camcorder.

Right view


Window cleaning cover
PHOTO button
Power Zoom Wide angle/ Telephoto control/ VOLume control
Viewfinder
Media Selection switch (Tape mode/ Card mode selection switch)
STANDBY indicator
Z700/Z800/Z950: STANDBY button
POWER/CHARGE (RED) indicator
Z900: STANDBY/ ➡PC button
Speaker
Record Start/Stop button
Hand strap
Power switch (Camera Recording mode/ Playback mode select switch)

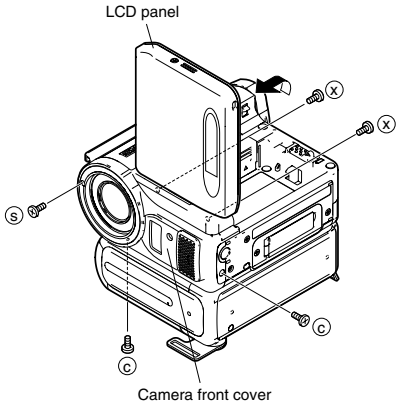


3. DISASSEMBLY OF THE SET

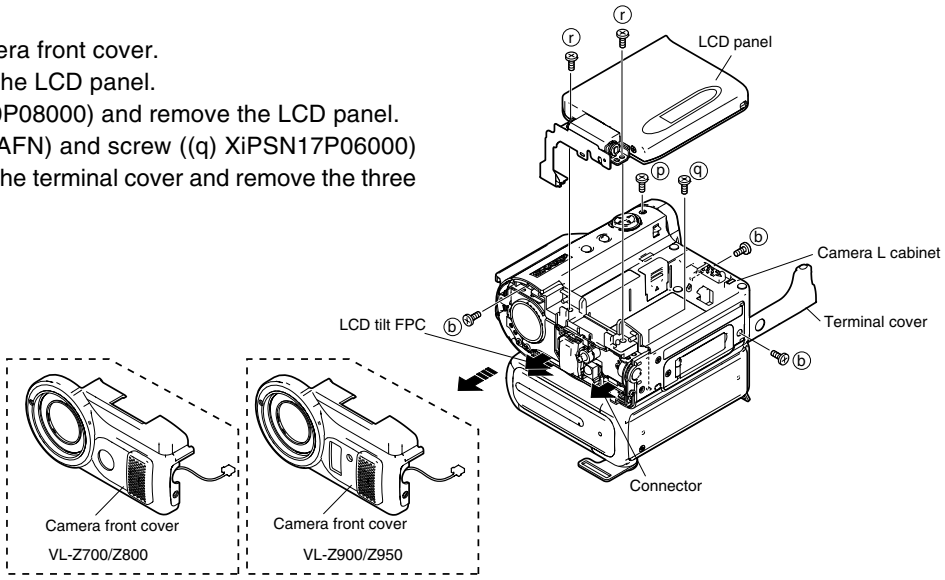
3-1. Procedure for disassembling the cabinet

Note: Before removing the cabinet, turn OFF the power and make sure that the battery is not connected.

1.
· Remove the screw ((s) XiPSF14P06000).
· Open the LCD panel 90 degrees and remove the two screws ((x) LX-HZ0050TAFN).
· Remove the two screws ((c) XiPSN17P04000) and remove the camera front cover by pulling it frontward.



2.
· Disconnect the connector of the camera front cover.
· Disconnect the two LCD tilt FPCs of the LCD panel.
· Remove the two screws ((r) XiPSN20P08000) and remove the LCD panel.
· Remove the screw ((p) LX-HZ0063TAFN) and screw ((q) XiPSN17P06000) that hold the camera L cabinet, open the terminal cover and remove the three screws ((b) XiPSN17P03000).

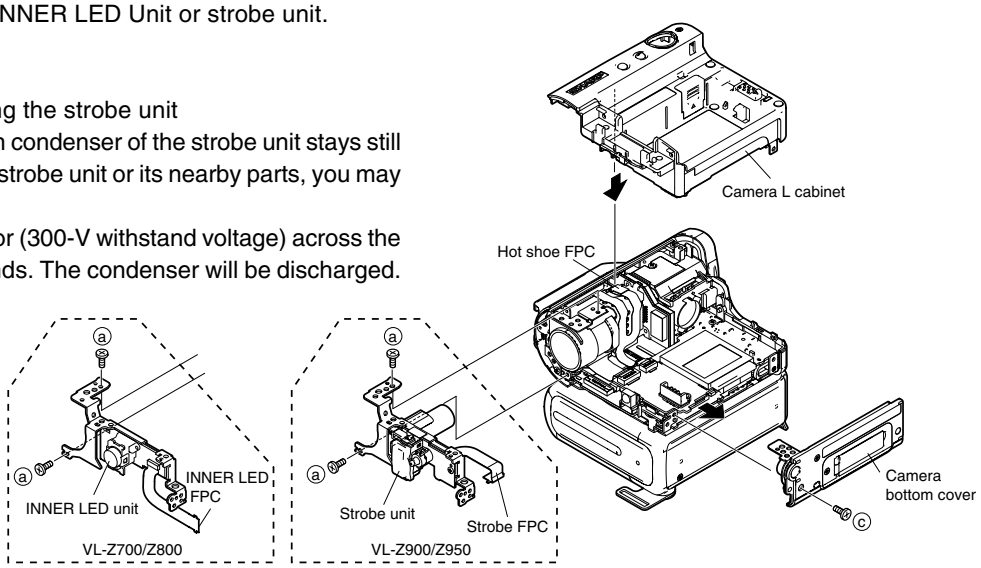


3.
· Disconnect the hot shoe FPC of the hot shoe and remove the camera L cabinet.
· Remove the screw ((c) XiPSN17P04000) and remove the camera bottom cover.
· Disconnect the INNER LED FPC or strobe FPC, remove the two screws ((a) XiPSN17P02000) and remove the INNER LED Unit or strobe unit.

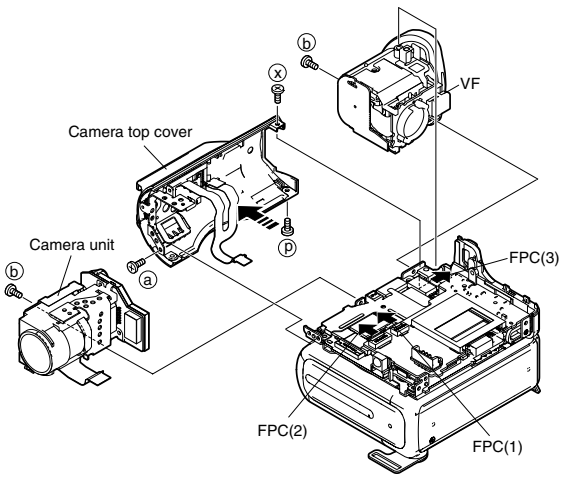
⚠ Precautions in servicing the strobe unit

Once put in the card mode, the main condenser of the strobe unit stays still electrically charged. If touching the strobe unit or its nearby parts, you may get an electric shock.

To avoid this, connect a 7 kΩ resistor (300-V withstand voltage) across the main condenser for about 10 seconds. The condenser will be discharged.

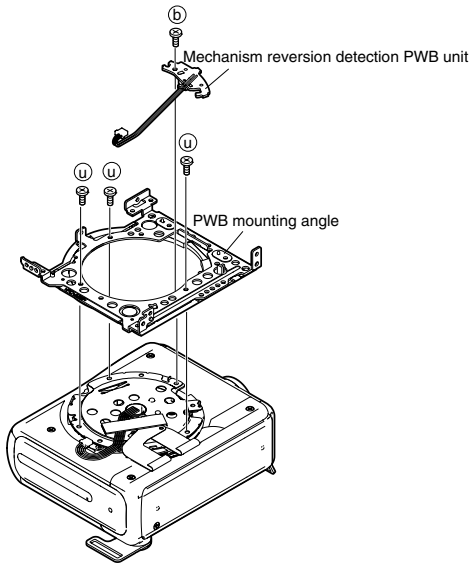


4.



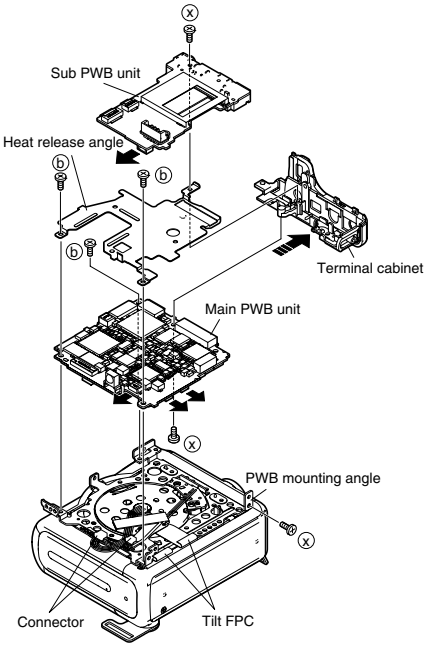
· Remove the screw ((x) LX-HZ0050TAFN), screw ((p) LX-HZ0063TAFN) and screw ((a) XiPSN17P02000), disconnect the FPC (1) and remove the camera top cover.
· Remove the screw ((b) XiPSN17P03000) from the camera unit, disconnect the FPC (2) and remove the camera unit.
· Remove the screw ((b) XiPSN17P03000), disconnect the FPC (3) and remove the VF.

6.



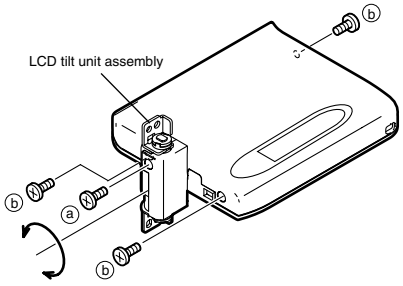
· Remove the screw ((b) XiPSN17P03000) and remove the Mechanism reversion detection PWB unit.
· Remove the three screws ((u) LX-BZ0221TAFC) and remove the PWB mounting angle.

5.



· Disconnect the two connectors of the sub PWB unit and main PWB unit.
· Remove the two screws ((b) XiPSN17P03000) from the heat release angle, remove the screw ((b) XiPSN17P03000) from the PWB unit and remove each unit.
· Disconnect the two FFCs of the main PWB unit.
· Remove the two screws ((x) LX-HZ0050TAFN), remove the screw ((x) LX-HZ0050TAFN) form the PWB mounting angle and remove the terminal cabinet.

7.

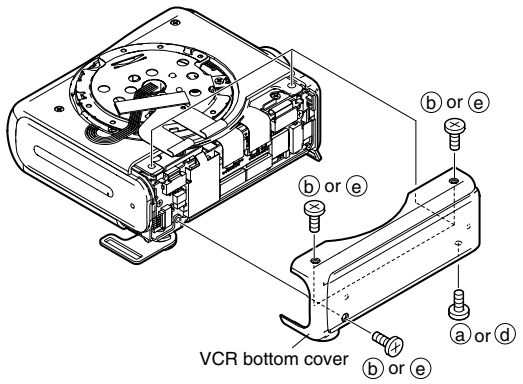


· Turn the LCD tilt unit assembly 90 degrees.
· Remove the three screws ((b) XiPSN17P03000).
· Remove the screw ((a) XiPSN17P02000).

3-2. Procedure for disassembling the cabinet

1.

· Remove the three screws Z800E-T: ((e) XiPSF17P03000) or Z700/Z800S-S/E-S/Z900/Z950: ((b) XiPSN17P03000) remove the screw Z800E-T: ((d) XiPSF17P02000) or Z700/Z800S-S/E-S/Z900/Z950: ((a) XiPSN17P02000) and remove the VCR bottom cover.



2.

· Remove the two screws Z700/Z800S-S/E-S/Z900/Z950: ((b) XiPSN17P03000) or Z800E-T: ((e) XiPSF17P03000) and remove the tilt cover.

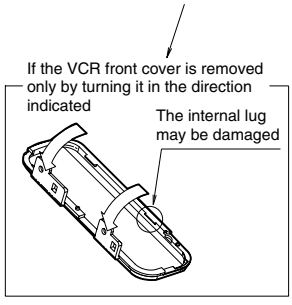
· Remove the VCR front cover with the cassette cover opened.

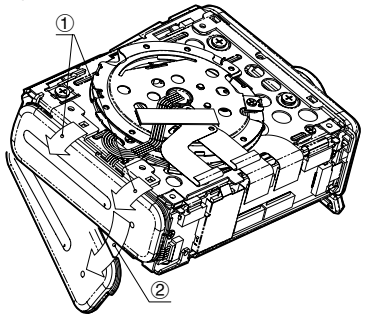
· Disconnect the connector and two tilt FPCs, remove the three screws ((h) LX-BZ0220TAFC) and remove the camera tilt.

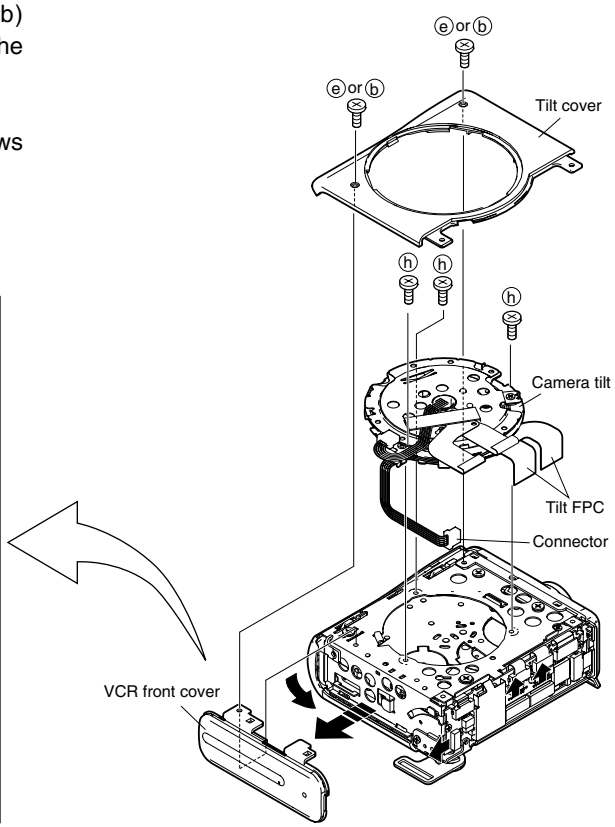
How to remove the VCR front cover

1. Remove the two couplings and turn the VCR front cover about 20 degrees in the direction indicated by (1).
2. Turn the VCR front while sliding it in the direction indicated by (2) to disengage the internal lug.

* If the VCR front cover is removed by turning it forcedly in the direction indicated by (1), the internal lug may be damaged.

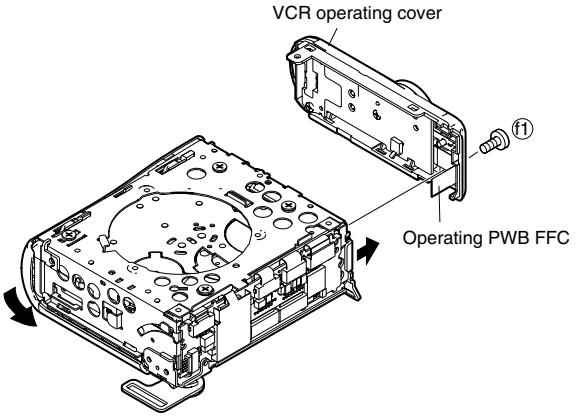






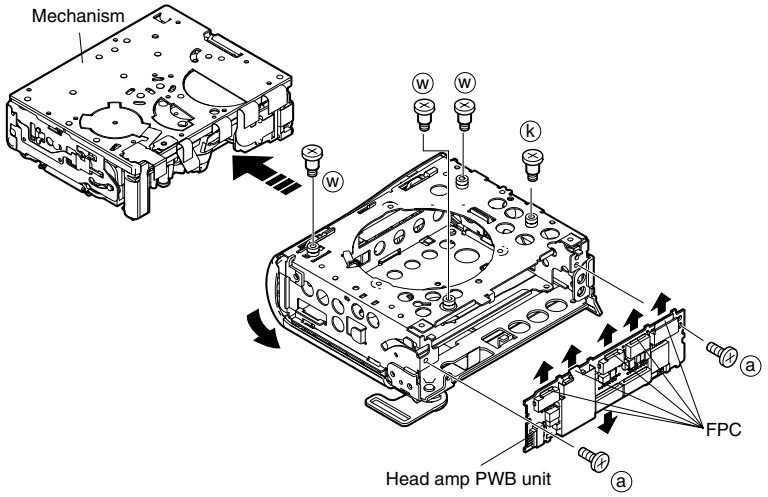
3.

· Remove the screw ((f1) XiPSF17P04000) with the cassette lid opened, disconnect the operation PWB FFC and remove the VCR operating cover.



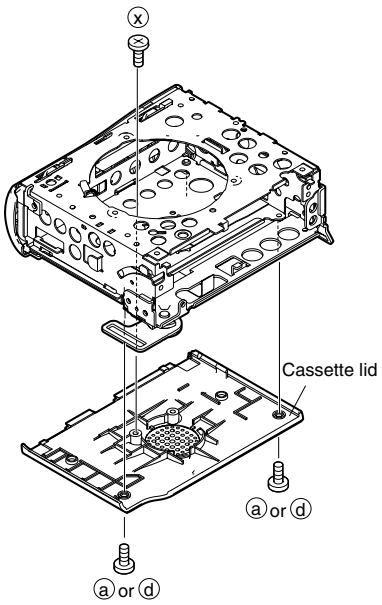
4.

· Disconnect the six FPCs of the head amp circuit board unit.
· Remove the two screws ((a) XiPSN17P02000) and remove the head amp PWB unit.
· Remove the three screws ((w) LX-BZA022WJFN) and remove the screw ((k) LX-BZA023WJFD).
· Remove the mechanism with the cassette lid opened.



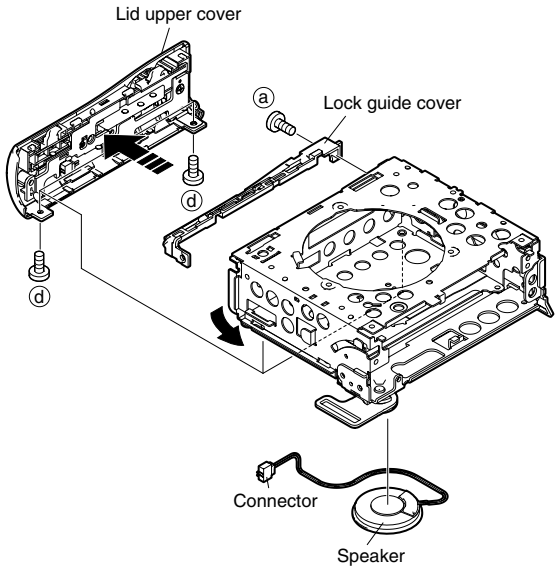
5.

· Remove the screw ((x) LX-HZ0050TAFN).
· Remove the two screws Z800E-T: ((d) XiPSF17P02000) or Z700/Z800S-S/E-S/Z900/Z950: ((a) XiPSN17P02000) and remove the cassette lid.



6.

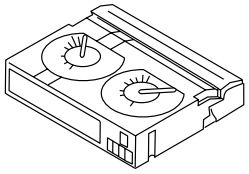
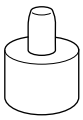
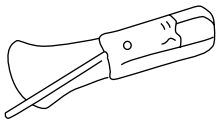
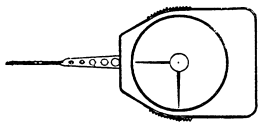
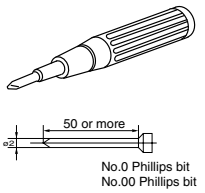
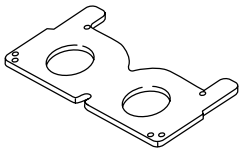
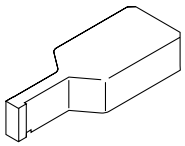
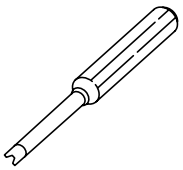
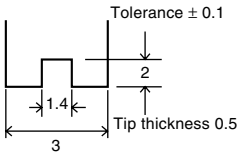
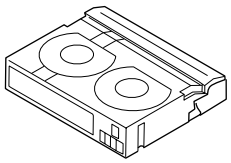
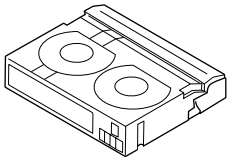
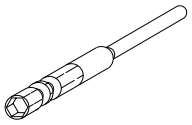
· Remove the two screws ((d) XiPSF17P02000).
· Disconnect the connector of the speaker while removing the Lid upper cover with the cassette control lid opened.
· Remove the screw ((a) XiPSN17P02000) and remove the lock guide cover.
· Remove the speaker.



4. MECHANISM ADJUSTING JIGS AND PARTS

4-1. Mechanism checking and adjusting jigs

Sketch
1. Name
2. Part code
3. Code
<Note: Order of descriptions> * Model number and usage

 1. Cassette torque meter for PB 2. 9DASD-1015 3. DB * 1mN·m/1.5mN·m	 1. Torque gauge 2. JiGTG0045 3. CN * For measurement of VS-REW winding torque	 1. Torque gauge head 2. 9EQTGH-DH5000 3. BW * For torque gauge shown left	 1. Tension gauge 4N 2. JiGSG0400 3. BK * For measurement of pinch roller press force	 1. Dial tension gauge 2. 9DAPTG-10-10W 3. CA * PTG-10
 1. Torque driver 150mN·m 2. JiGTD1500RTDH 3. CB	 1. Master plane 2. 9EQMP-VLPD1 3. CL * For checking of height of reel table	 1. Height adjustment jig 2. 9DAHG-PD1 3. BZ * For height adjustment	 1. Driver for height adjustment 2. 9EQDRiVER-DH5 3. BC	* For adjustment of guide roller * Bit shape (see figure below) 
 1. Alignment tape – (I) 2. VR3-GAZXS 3. CF * Adjustment of running system (Linear signal)	 1. Alignment tape – (II) 2. VR3-JPZQS 3. CG * For adjustment of SW point(Color bar signal) * 90ADVC-TAPEPAL available	 1. Bit for hexagon nut with opposite side distance of 3 mm 2. 95CM22001 3. BL * For installation of Tu guide nut	<Miscellaneous> (1) Vernier calipers (2) Precision screwdriver (Phillips head and slotted) (3) Long-nose pliers (with thin tips) (4) Tweezers	

4-2. Parts for periodic inspection and maintenance

1. Name
2. Part code
3. Code
<Note: Order of descriptions> * Model number and usage

1. Oil Cosmo Hydro HV22 2. 9EQ-OiL-HV22 3. AE * Cosmo Oil Co., Ltd.	1. Cleaning paper 2. JiGDUSPER 3. AP * DUSPER ∑ (SIGMA) (Ozu Co., LTD.)	1. Dry grease CFD-409Z * Sankei Chemical Co., LTD.	1. Cleaning liquid Industrial ethyl alcohol * Commercial item
		1. Grease Molykote YM-103 2. 99FGREASEYM103 * Dow Corning	1. Loctite adhesive (1401B) * Three Bond
			1. Ultrathin cotton swab * Commercial item

<How to make mechanism checking and adjusting jigs>

(1) Reel hub for back tension measurement (Fig.1)

1) Have the reel hub of a commercially available cassette tape ready.(Disassemble the cassette tape and remove the tape from the reel hub.)
2) Attach one end of a thread (having a length of about 20cm) to the reel hub using Scotch tape etc.
3) Attach a weight of about 0.21N to the top face of the reel hub.

(2) Thread for pinch roller press force measurement

1) Have a commercially available thread having a length of about 20cm ready.
2) Tie both ends together to loop the thread.

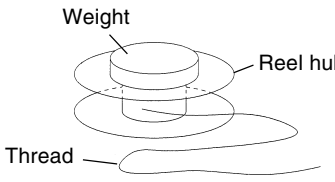


Fig. 1

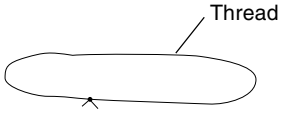


Fig. 2

5. INSPECTION AND MAINTENANCE ITEMS AND INTERVALS

In order to maintain the quality of the mechanism section, perform the following maintenance and inspection. After repairing the mechanism section, perform the following maintenance regardless of the number of hours of use by the user.

5-1. Maintenance and inspection list

○ • • • Replace. □ • • • Clean. △ • • • Lubricate. ★ • • • Check.

	Inspection and maintenance location	Number of hours of use (h) 500	1,000	1,500	2,000	3,000	Symptoms observed at the time of maintenance	Notes and remarks
Running system	Tape running section (See7-3.)	□	□	□	□	□	• Block noise • Clogging of head • Damage to tape	**Note:** If no envelope output is obtained in spite of the video head being cleaned, replace the drum component. (If the envelope output is normal, refer to "10. USEFUL TIPS".)
	Drum section, Video head (See 7-3.)	□	□	□	□	□		
		<Rollers> • Replace if abnormal rotation or swing (large) is found. <Others> • Cleans the portions that come in contact with the tape (the lower drum helical portion in particular). Use the specified cleaning liquid.						
Driving system	Pinch roller	□	□	□	□○	□	• Tape not running • Tape sagged • Block noise • Abnormal noise	• Replace if any abnormal condition is found.
	Capstan motor (Timing belt)	—	○	—	○	○		
	Swing arm S reel table, Tu reel table	—	★○	—	★○	★○		
	Center gear boss Relay pulley shaft	—	△	—	△	△	• Abnormal noise	• Apply oil. [Oil] Cosmo Hydro HV22 **Note:** Apply oil to the shaft and lightly wipe it off with a cloth.
	Loading motor Mode SW	—	★○	—	★○	★○	• Ejecting cannot be made. • Mode cannot be set.	• Replace if any abnormal condition (noise etc.) is found.
Performance check	Abnormal noise	★	★	★	★	★	• Tape not running • Tape sagged • Damage to tape • Abnomaly in reproduced picture	• If a part is out of spec, replace it.
	PB and VS/R winding torque	—	★	—	★	★		
	PB, VS/R and loading back tension S reel table unloaded torque	—	★	—	★	★		

[Oil] Cosmo Hydro HV22
[Grease] Molykote YM-103
Sankei Chemical CFD-409Z

[Loctite adhesive] Three Bond 1401B
[Cleaning liquid] Industrial ethyl alcohol

5-2. Cautions in handling the mechanism

(1) Cut washers removed at the time of part replacement etc. should be replaced with new ones without fail.
(2) Because no volume adjustment is available in this mechanism, cleaning or part replacement should be performed if the setting is not satisfied.
(3) About oil
  a) Be sure to use the specified oil. (If any oil other than the specified oil is used, various troubles will occur.)
  b) When lubricating the bearing, be sure to oil free from foreign particles such as dust. (If oil in which foreign particles such as dust are mixed is used, it will cause wear and seizure to the bearing.)
  c) The term "One drop of oil" here means the amount of oil on the point of a needle etc. shown in Fig.1.
(4) Repairing of circuits, final adjustment of running system, etc. should be performed with the cassette controller assembly installed in the mechanism.
(5) When operating the mechanism singly, apply voltage to the loading motor to drive it. The voltage between the terminals should be 3 to 4V DC. (Do not apply external voltage to the loading motor with the mechanism connected with the main circuit board. Doing so could cause a failure.) (Turning the gears forcedly by hand may cause them to get damaged.) When placing the mechanism singly, use an appropriate spacer so that the capstan motor is not rubbed.
(6) When installing the cassette controller, push the portion indicated by "A" in Fig.2. Do not push other portions.
(7) Take care not to deform the components of the mechanism.

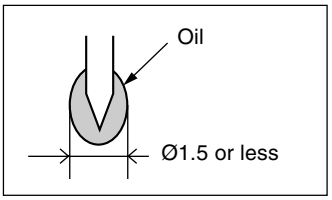


Fig. 1

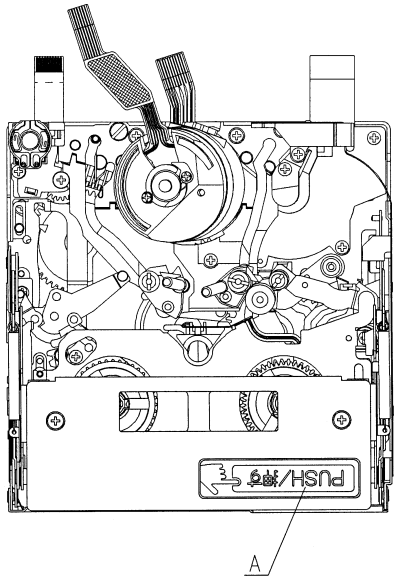


Fig. 2

6. ADJUSTING AND CHECKING OF MECHANISM

The items described here are relevant to the general on-site servicing (field service). This section does not cover adjustment and replacement for which sophisticated equipment, jigs and techniques are required.
In order to maintain the initial characteristics of the mechanism, it is necessary to perform maintenance and inspection and also it is essential not to damage the tape etc. In the case of an adjustment that requires a jig, be sure to use the specified jig.

<Caution>
(1) When adjusting and checking the mechanism, be sure to see that the power supply and the status are as indicated in Caution on the title.
(2) Do not apply external voltage to the loading motor with the mechanism connected with the main circuit board. (Doing so could cause a failure.)
(3) When running the tape, be sure to do so with the cassette controller assembly installed.

6-1. Checking of PB (REC) winding torque

AC adapter used, Cassette controller assembly installed

(1) Set the torque cassette with the cassette controller installed in the mechanism. In the SP record mode (or in the PB mode if signals have been SP-recorded on the tape), check that the winding torque is within spec.
<Spec for PB (REC) winding torque>(If there is a torque ripple, read the center value.)
0.7+0.2/-0.05N·m, Ripple: 0.1mN·m or less

6-2. Checking of VS-REW winding torque

AC adapter used, Cassette controller assembly not installed (Mechanism only)

(1) Remove the cassette controller, turn ON the down SW while referring to 8-3, operate in the test mode (T01) and select the VS-REW mode.
(2) Set the torque gauge in the S reel table, push the tip of the tension pole with your finger in the direction shown by Arrow A to release the tension band, and check that the winding torque is within spec. (Fig.1) (Do not apply the own weight of the torque gauge or rotate it during measurement.)
<Spec for VS-REW winding torque>
(If there is a torque ripple, read the center value.)
1.5 ± 0.15N·m, Ripple: 0.15mN·m or less
(3) After checking the winding torque, remove the torque gauge and turn OFF the down SW. The mechanism will automatically go into the standby mode.

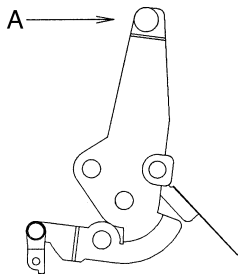


Fig.1 How to release the tension band when measuring the VS-REW winding torque

6-3. Checking of height of reel table

3 to 4V DC, Cassette controller assembly not installed (Mechanism only)

(1) Remove the cassette controller. (Refer to 8-2.)
(2) Apply 3 to 4V DC to the loading motor while referring to 8-1 and select the PB mode.
(3) Fit the holes of the master plane to the two guides (portions A and B) shown in the Fig.2, taking great care not to allow master plane to strike the running parts such as the drum and guide roller or the MIC contact.
(4) Using a pair of vernier calipers etc., measure the heights of the reel-supporting faces of the S reel table and Tu reel table from the top face of the master plane and check that the measured heights satisfy the set values. (Fig.3)
When measuring the height of the S reel table, push the tip of the tension pole with your finger in the direction shown by Arrow A to release the tension band. (Fig.1)
(5) If the measured height does not satisfy the set value, replace the reel table and make checking again.
<Note> After replacement, select the L start mode (see 8-1) and check that the reel table rotates smoothly.

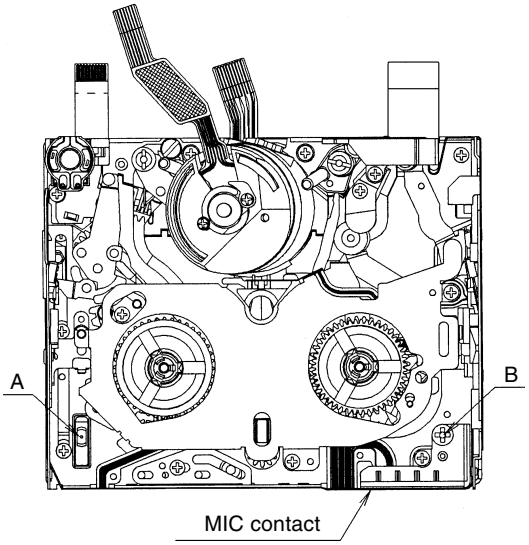


Fig.2 Checking of reel table

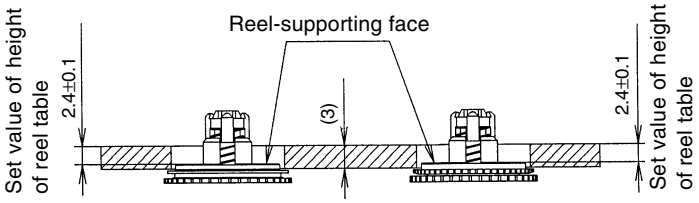


Fig.3

6-4. Checking and adjusting of tension pole position during REC (PB)

3 to 4V DC, Cassette controller assembly not installed (Mechanism only)

(1) Checking

Check that the tension pole is located in the prescribed position as shown in Fig.4 at the start of a 60-minute tape.

If the tension pole is not located in the prescribed position, take out the tape and make adjustment according to the procedure shown below.

(2) Adjusting (See Fig.4.)

1. Select the PB mode without setting a tape.
2. Slightly loosen the screw 1 (to such an extent that the T band adjustment base 2 can be moved.)
3. If the tension pole is dislocated inward from the prescribed position, shift the T band adjustment base 2 in the direction shown by Arrow (A). If it is dislocated outward from the prescribed position, shift the T band adjustment base 2 in the direction shown by Arrow (B). Then fix the T band adjustment base 2 with the screw 1.
   (For how much the T band adjustment base is to be shifted, refer to Fig.4.)
4. Check the tension pole position as described in "(1) Checking" above.
5. If out of position, make readjustment.

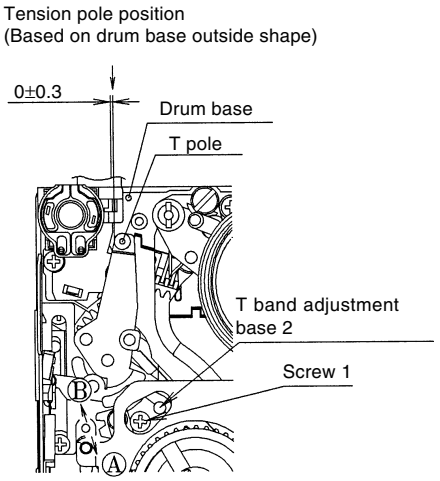


Fig.4 Adjusting of position (tape exists)

6-5. Checking and adjusting of REC (PB) back tension torque

AC adapter used, Cassette controller assembly installed

(1) Checking

Set the torque cassette (SD-1015). In the SP record mode (or in the PB mode if signals have been SP-recorded on the tape), check that the feed-side torque is within the following spec.

<Spec>(If there is a torque ripple, read the center value.)

0.4 ± 0.05 mN·m

(2) Adjusting (See Fig.5.)

If the measured back tension torque is out of spec, make adjustment according to the following procedure.

1. Slightly loosen the screw 3.
2. If the back tension is higher, shift the T-SPR adjustment ANG in the direction shown by Arrow (D). If it is lower, shift the T-SPR adjustment ANG in the direction shown by Arrow (C).
3. After adjusting the back tension torque, fix the T-SPR adjustment ANG with the screw 3. Apply loctite adhesive to screw 3.

<Reference>

Screw tightening torque: 0.04 N·m

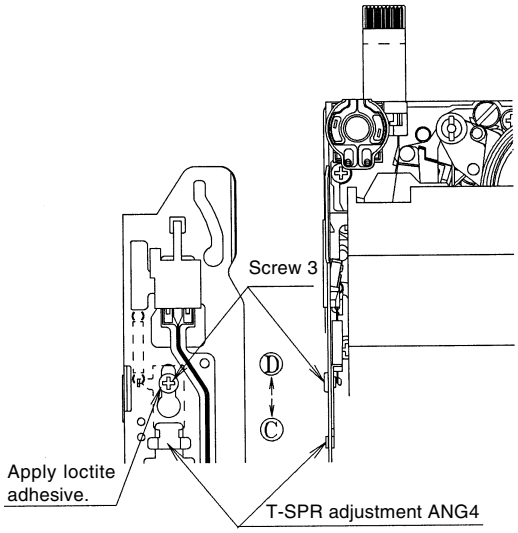


Fig.5 Checking (tape exists)

6-6. Checking of S reel table unloaded torque

3 to 4V DC, Cassette controller assembly not installed (Mechanism only)

(1) Remove the cassette controller assembly, apply 3 to 4V DC to the loading motor and select the L start mode. (See 8-1.)

(2) Move the swing arm to the Tu reel table side. At this time, take care not to damage the gears etc. (See Fig.6.)

(3) Set the reel hub for back tension measurement on the S reel table.

(4) Using the dial tension gauge, pull the thread of the reel hub in the direction shown by Arrow A and check that the tension is within spec.

<Spec>

(If the tension fluctuates, read the center value.)

10mN or less

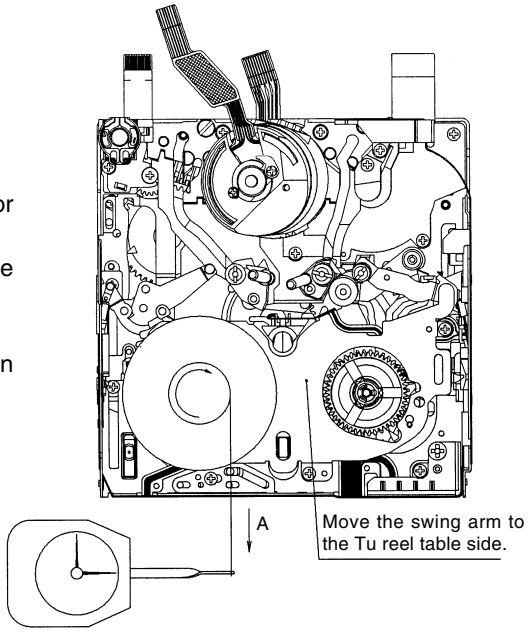


Fig.6 How to measure the S reel table unloaded torque

6-7. Checking of loading back tension

3 to 4V DC, Cassette controller assembly not installed (Mechanism only)

(1) Apply 3 to 4V DC to the loading motor and select the L start mode. (See 8-1.)
(2) Move the swing arm to the S reel table side. At this time, take care not to damage the gears etc. (See Fig.7.)
(3) Set the reel hub for back tension measurement on the Tu reel table.
(4) Using the dial tension gauge, pull the thread of the reel hub in the direction shown by Arrow A and check that the tension is within spec.

<Spec>

(If the tension fluctuates, read the center value.)
27.5 ± 7.5mN

6-8. Checking of VS-REW back tension

3 to 4V DC, Cassette controller assembly not installed (Mechanism only)

(1) Apply 3 to 4V DC to the loading motor and select the VS-REW mode. (See 8-1.)
(2) Move the swing arm to the S reel table side. At this time, take care not to damage the gears etc.
(3) Set the torque gauge in the Tu reel table.
(4) While turning the torque gauge counterclockwise (one turn in three seconds), check that the torque is within spec.

<Spec>

(If the tension fluctuates, read the center value.)
0.8+0.2/-0.05mN·m

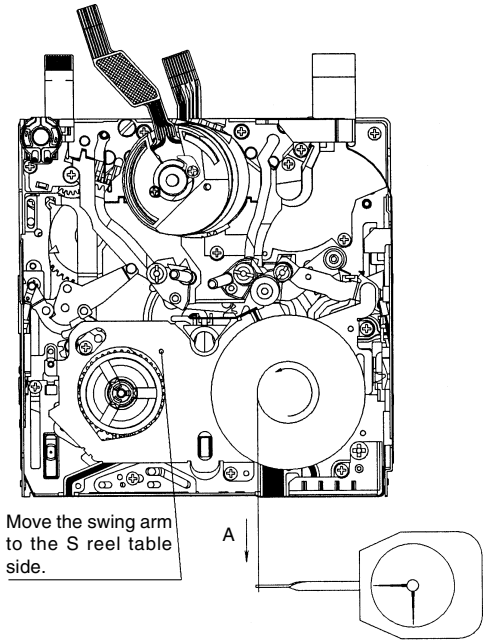


Fig.7 How to measure the loading back tension

6-9. Checking of pinch roller press force

3V DC, Cassette controller assembly not installed (Mechanism only)

(1) Hook the thread for pinch roller press force measurement over the pinch lever (position A in Fig.8).
(2) Put the mechanism into the PB mode to press the pinch roller against the capstan shaft.
(3) Hook the thread for pinch roller press force measurement over the tension gauge and pull the tension gauge in the direction shown by Arrow B in Fig.10 so that the pinch roller is slightly separated from the capstan shaft.
(4) Return the pinch roller gradually and read the value indicated when the pinch roller comes in parallel contact with the capstan shaft (see Fig.9). Check that the read value is within the following spec.

<Spec>

2.1+0.4N

<Note> After measuring the press force of the pinch roller, promptly exit from the PB mode to separate the pinch roller from the capstan shaft. (If the pinch roller is left pressed against the capstan shaft for a long time, the pinch roller will be deformed.)

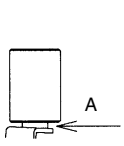


Fig.8

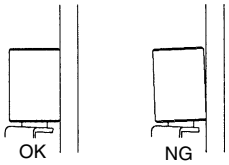


Fig.9

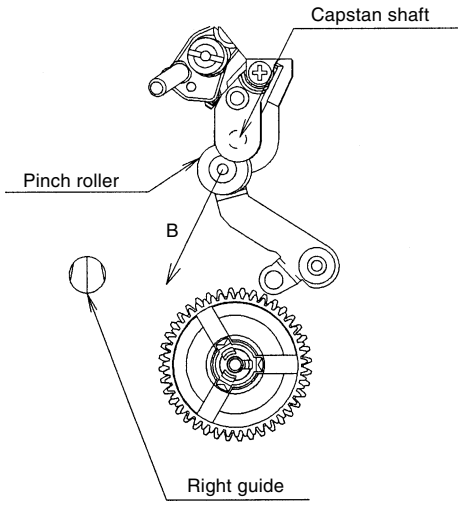
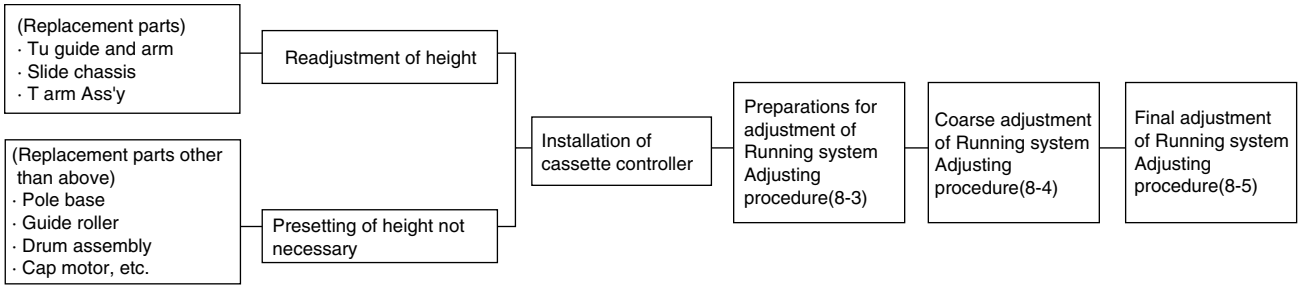


Fig.10

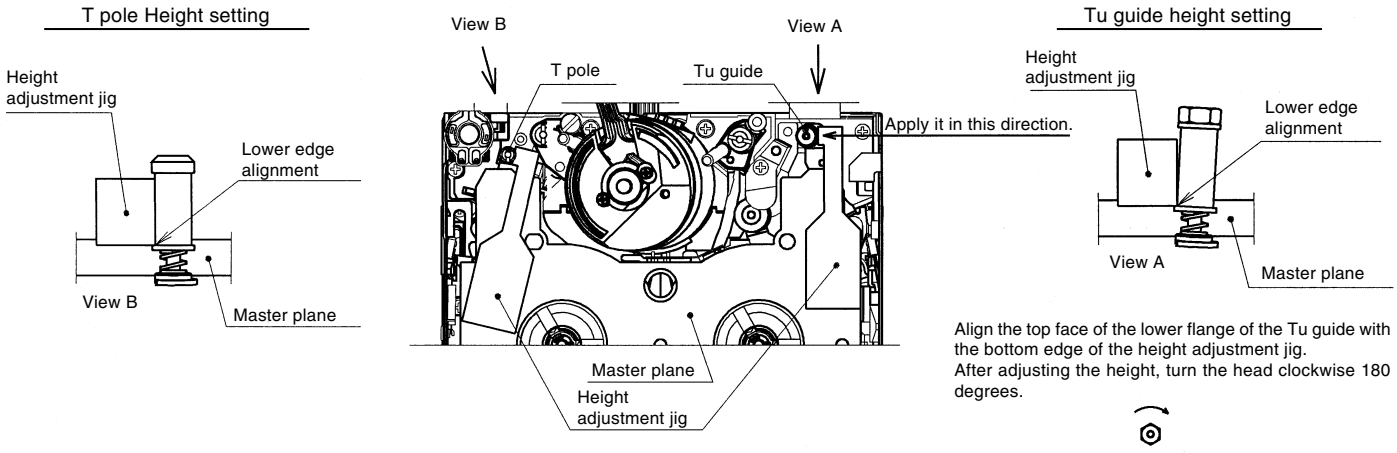
7. ADJUSTMENT OF RUNNING SYSTEM

7-1. Outline of adjustment of running system


(Replacement parts)
· Tu guide and arm
· Slide chassis
· T arm Ass'y
Readjustment of height
(Replacement parts other than above)
· Pole base
· Guide roller
· Drum assembly
· Cap motor, etc.
Presetting of height not necessary
Installation of cassette controller
Preparations for adjustment of Running system Adjusting procedure(8-3)
Coarse adjustment of Running system Adjusting procedure(8-4)
Final adjustment of Running system Adjusting procedure(8-5)

7-2. Adjustment of height of running system

· After replacement of the T pole, Tu guide and slide chassis, adjust the height of the T pole/Tu guide using the height adjustment jig.
· If wrinkles are found in the tape, turn the Tu guide to remove them.
(For further details, refer to "Coarse adjustment of running system".)
· After adjusting the T pole and Tu guide height, apply screw loctite at the tip of the shaft.


T pole Height setting
Height adjustment jig
Lower edge alignment
View B
Master plane
View B
View A
T pole
Tu guide
Apply it in this direction.
Master plane
Height adjustment jig
Tu guide height setting
Height adjustment jig
Lower edge alignment
View A
Master plane
Align the top face of the lower flange of the Tu guide with the bottom edge of the height adjustment jig.
After adjusting the height, turn the head clockwise 180 degrees.

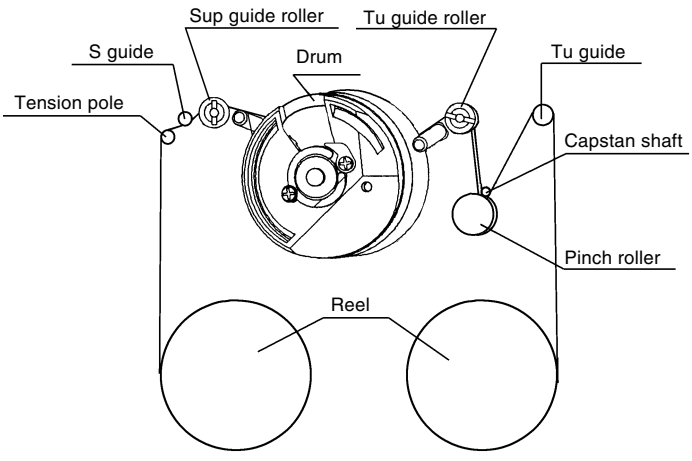
7-3. Preparations for adjustment of running system

Measuring instrument and Jig : Oscilloscope, Adjustment remote control, Height adjustment screwdriver, Alignment tapes (for adjustment of running system and adjustment of SW point), Master plane, Height adjustment jig

<Method and description>

(1) Clean the surfaces that come in contact with the tape. (Clean well the drum surface and the lower drum helical surface in particular.)
(2) Install the cassette controller.
(3) Connect the oscilloscope to each TP of the joint circuit board.
(4) Turn ON the power of the AC adapter.
(5) Select TEST mode T-05 with the adjustment remote control.
(6) Play back the alignment tape for running system adjustment and check that the tape is moving in the SP mode.
(7) While observing the PB envelope on the oscilloscope, adjust the running system so that the envelope becomes flat in states of [+1/4 shift] and [-1/4 shift].
(Each time the PB key is pressed, the shift amount changes as shown below.)

[+1/4 shift] ⇨ [Normal] ⇨ [-1/4 shift] ⇨ [Normal]



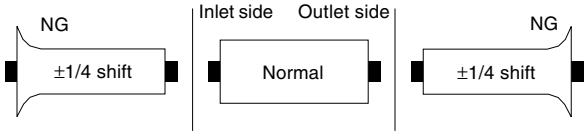
7-4. Coarse adjustment of running system

(Cassette controller installed)

1. Adjustment of height of Su and Tu guide rollers

<Method and description>

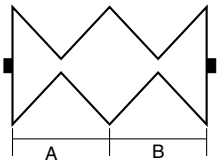
(1) Play back the alignment tape for running system adjustment and make adjustment so that the inlet and outlet sides of the envelope become flat.
(2) In states of [+1/4 shift] and [-1/4 shift], make adjustment in the same manner as described in (1) above.



2. Checking of V/SR envelope waveform

<Method and description>

(1) In the V/SR mode, check that the envelope waveform is shaped uniformly.
(2) If the envelope waveform is not shaped uniformly, fine-adjust the guide roller and Tu guide.

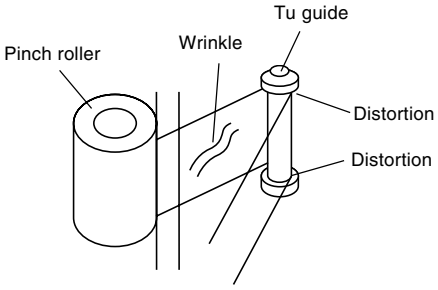


Make adjustment so that A≒B.

3. Checking for wrinkles in tape

<Method and description>

(1) In the PB mode and V/SR mode, check the tape for distortion between the Tu guide and the pinch roller.
⇨ If wrinkles are found, make adjustment within a range of ±180 degrees.
⇨ After making adjustment, apply loctite adhesive to the tip of the shaft.



4. Checking of envelope waveform rise time

<Method and description>

(1) Check the envelope waveform rise time in switching from the V/SR mode to the PB mode. ⇨ 5 seconds or less
(2) Check the envelope waveform rise time in switching from the STOP mode to the PB mode. ⇨ 5 seconds or less

7-5. Final adjustment of running system

(Cassette controller installed)

1. Adjustment of height of Sup and Tu guide rollers

<Method and description>

(1) If the ratio of MIN to MAN of the envelope waveform is less than 60%, adjust the height of the guide roller again. (See Fig.1.)
(2) Perform unloading and then loading again, select the PB mode and check that there are no significant changes in the envelope waveform.

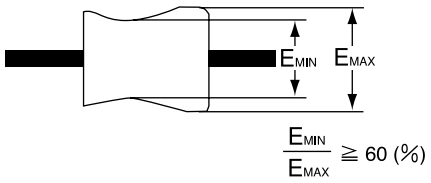


Fig.1

2. Adjustment of PB SWP

<Method and description>

(1) Play back the alignment tape for SW point adjustment.
(2) Using the adjustment remote control, make SWP automatic adjustment.
(3) Check that an OK is given as a result of self-judgment. In the case of a NG, adjust the GR height again.

* After replacement of the mechanism and drum, adjust the phase and equalizer using the adjustment remote control. (Refer to "**9. METHOD OF ADJUSTING THE ELECTRICAL CIRCUITS**".)

8. ASSEMBLING OF MECHANISM SECTION AND PART REPLACEMENT (DISASSEMBLING AND ASSEMBLING)

This section describes the method of assembling the mechanism section and the method of part replacement.
For how to remove the cabinet etc., refer to "**3. DISASSEMBLY OF THE SET**".

<Cautions>
1. Cut washers removed at the time of part replacement etc. should be replaced with new ones without fail.
2. When assembling the mechanism, take care to prevent screws, washers and foreign matter from getting into it. If such things get into the mechanism, it will cause the mechanism to malfunction.
3. Be sure to use the specified cleaning liquid, oil, grease and loctite adhesive shown below. Failure to do so will cause the mechanism to malfunction.

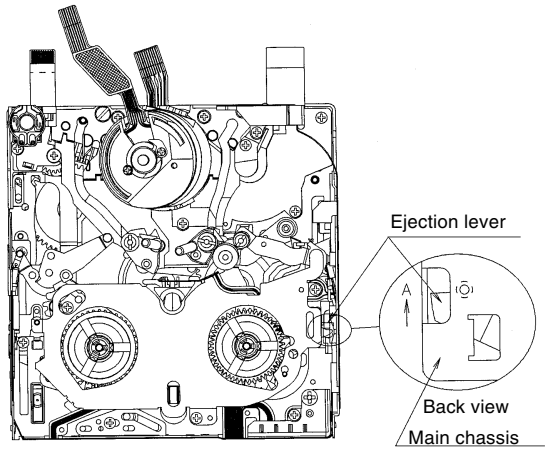
Oil: Cosmo Hydro HV22 (Cosmo Oil) Loctite adhesive: 1401B (Three Bond)
Grease: Molykote YM-103 (Dow Corning), Suncall CFD-409Z (Sankei Chemical Co., LTD.)
Cleaning liquid: Industrial ethyl alcohol

8-1. Mechanism mode

To operate the mechanism singly, apply 3 to 4V DC to the loading motor.
(Do not apply external voltage to the loading motor with the mechanism connected with the main circuit board. Doing so could cause a failure.)

(1) Ejection mode

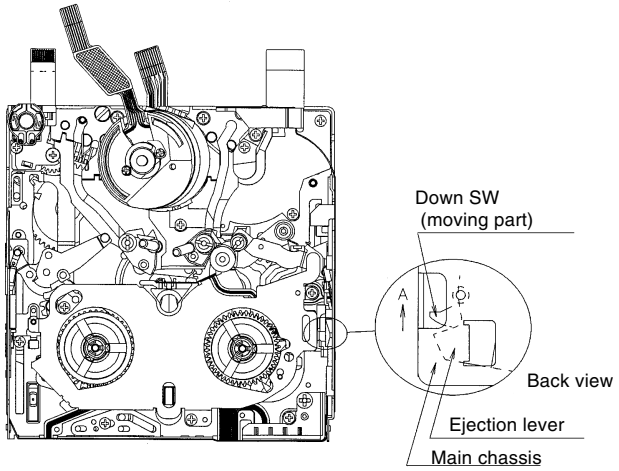
This mode is used to take out a cassette. In this mode, the ejection lever is shifted farthest in the direction shown by Arrow A. (In this mode, the cassette controller assembly cannot be locked.)



EJECTION MODE

(2) Standby mode

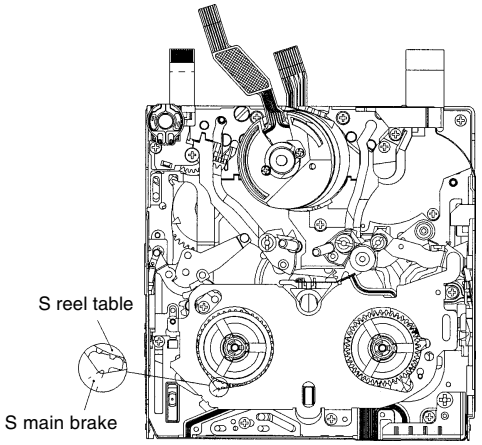
This mode is used to set a cassette. In this mode, the slide chassis is farthest away from the drum and the ejection lever is turned (the cassette controller assembly can be locked). (The tip of the ejection lever is hidden behind the main chassis and the moving part of the down SW is visible.)



STANDBY MODE

(3) L start mode

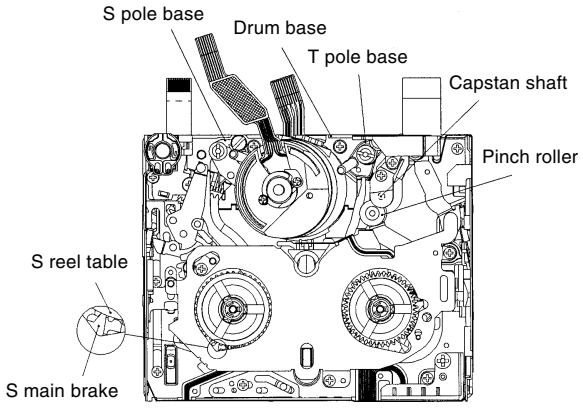
This mode is used for the Tu reel hub to take up the tape of a cassette whose leader tape is visible. (In this mode, the S main brake is located away from the S reel table.)



L START MODE

(4) Stop mode

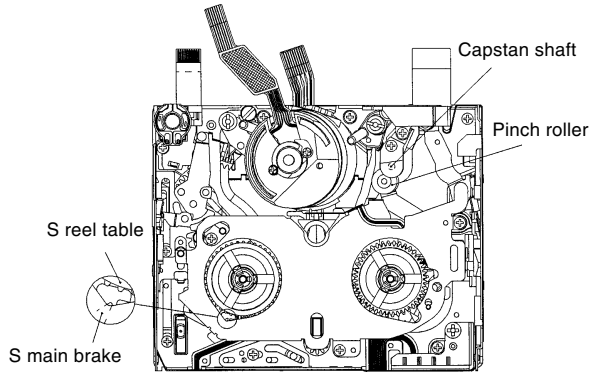
This mode is used for stopping (camera mode: RecLock). In this mode, the S and T pole bases are pressed against the drum base and the S main brake is engaged with the S reel table. However the pinch roller and capstan shaft are separated.



STOP MODE

(5) PB (Record, Fast forward, Fast rewind, VSF and VSR) mode

This mode is used for playback, recording, fast-forwarding, fast -rewinding, VSF and VSR. In this mode, the pinch roller is pressed against the capstan shaft and the S main brake is located away from the S reel table.



PB (RECORD, FAST FORWARD, FAST REWIND, VSF AND VSR) MODE

8-2. Cassette controller assembly

<Procedure for removing the cassette controller> (The cassette controller can be installed and removed without removing the cover.)

(1) Apply 3 to 4V DC to the loading motor to establish the standby mode. When removing the cover from the cassette controller, remove the tow screws (A). (See Fig.1.)

(2) Push the lock lever in the direction shown by the arrow and move up the cassette controller. (See Fig.2.)

(3) Remove the two screws (C) and remove the down guide (D) in the direction shown by the arrow (E). (See Fig.3 and Fig.4.)

(4) Shift the cassette controller in the direction shown by the arrow (F), remove the inner arm guide shaft L and the groove of the inner arm R toward the inside of the mechanism, and turn the cassette controller. (See Fig.5 and Fig.6.)

(5) Turn the cassette controller in the direction shown by the arrow (H) and shift it in the direction shown by the arrow (I) to remove it from the slide chassis. (See Fig.7.)

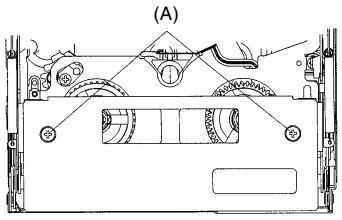


Fig.1

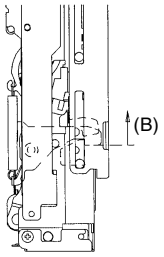


Fig.2

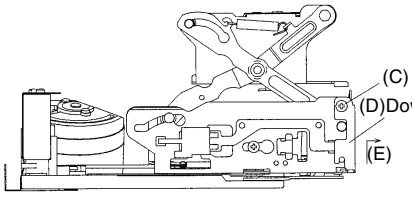


Fig.3

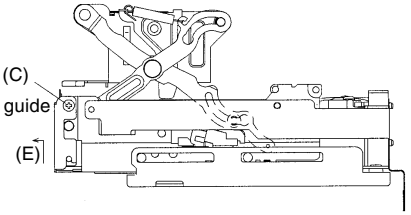


Fig.4

At this position, remove the groove of the inner arm R toward the inside of the mechanism.

At this position, remove the inner arm guide shaft L toward the inside of the mechanism.

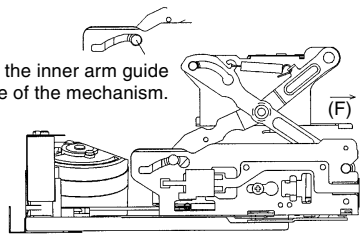


Fig.5

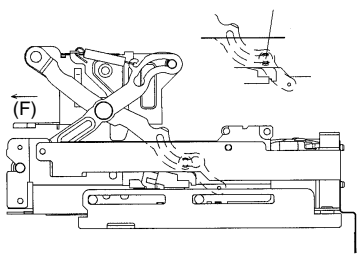


Fig.6

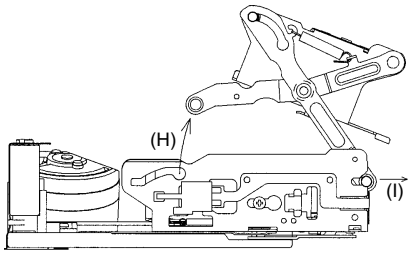


Fig.7

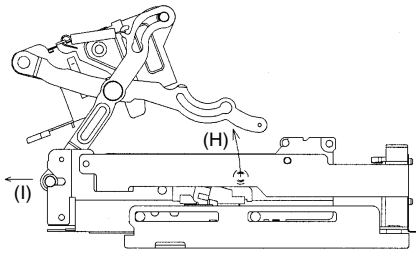


Fig.8

8-3. Method of operating on the circuit board with the cassette controller assembly removed

If this method is performed improperly, the tape may be damaged. Therefore do not use this method except in special cases such as measuring the VSR torque. Be sure to follow the cautions shown in this manual.

(1) Apply 3 to 4V DC to the loading motor to establish the standby mode.
(2 Insert a sheet of thick paper folded in two as shown in Fig.9 into the position shown in Fig.10 to turn OFF the down SW. (Pass the paper along the heavy line in the figure.)
Note) To go into the REC mode, press the pin of the recognition SW.
(3 Selecting the test mode (T-01) with the adjustment remote control without setting a tape will make it possible to operate the mechanism with the mode keys.
(4) For ejecting, remove the paper inserted in step (2) above.

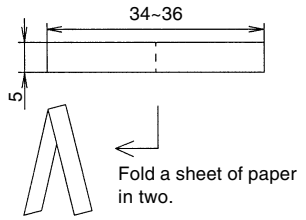


Fig.9

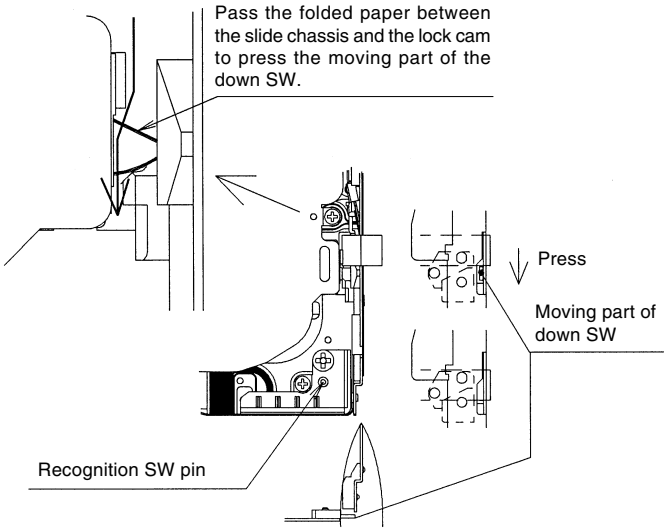

Pass the folded paper between the slide chassis and the lock cam to press the moving part of the down SW.
Press
Moving part of down SW
Recognition SW pin

Fig.10

8-4. Phase-adjust

Phase-adjust the following parts.

(1) Mode SW
(2) Main cam
(3) Sub cam (The main cam and sub cam should be also phase-adjusted for the chassis.)
(4) S loading arm
(5) Tu loading arm
(6) Loading drive gear (main cam, sub cam, S loading gear)

Note) Check the marker position carefully before disassembling.

Note) When installing the loading drive gear, check that the main cam, sub cam, S loading gear are all phase-adjusted.

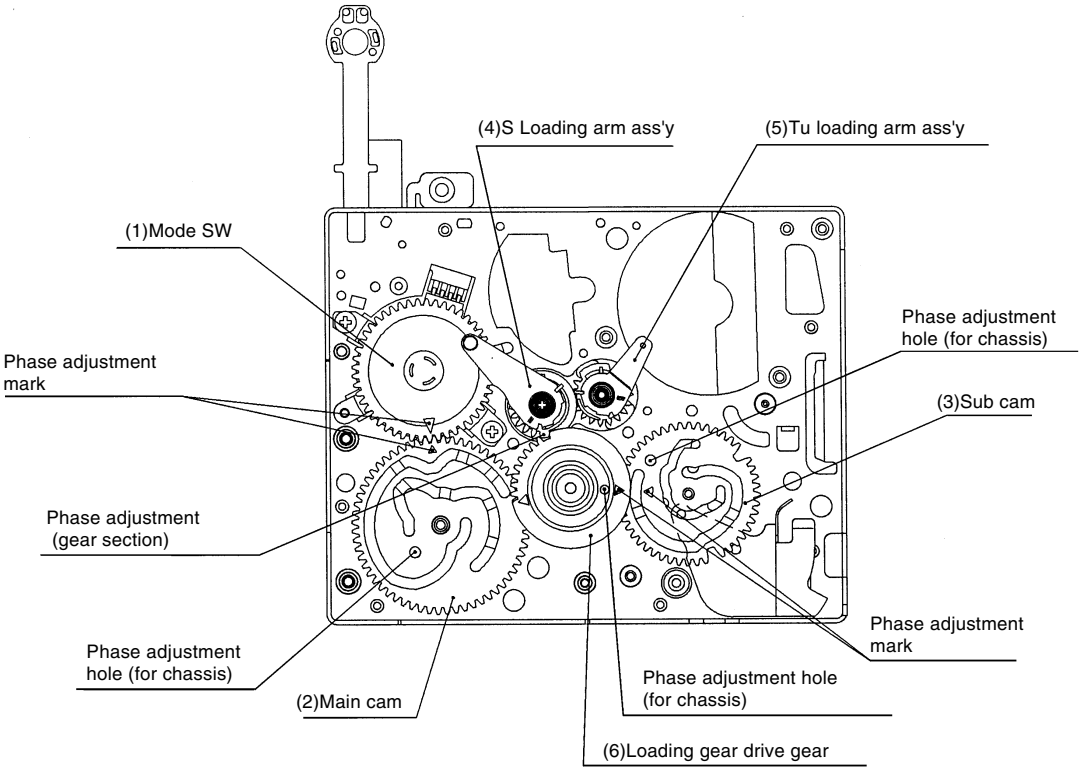


Fig.1

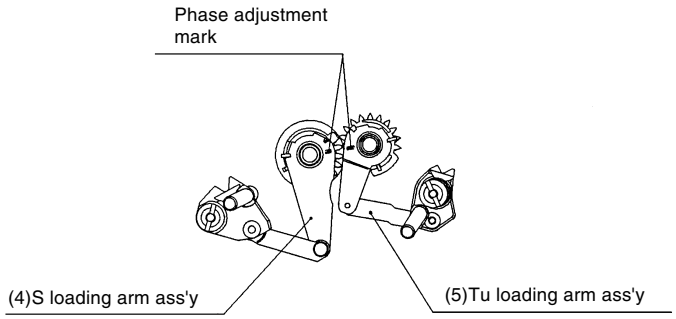


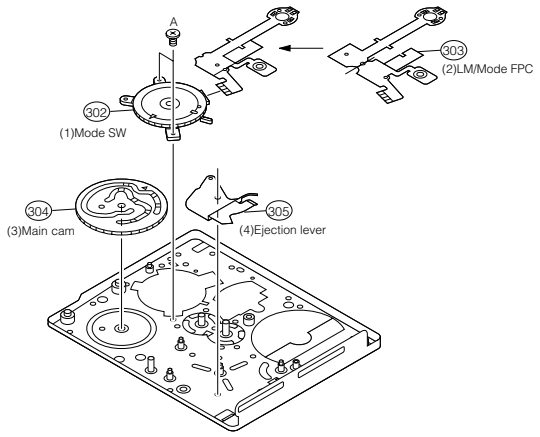
Fig.2

8-5. Assembling method

8-5-1. Method of assembling the main chassis assembly

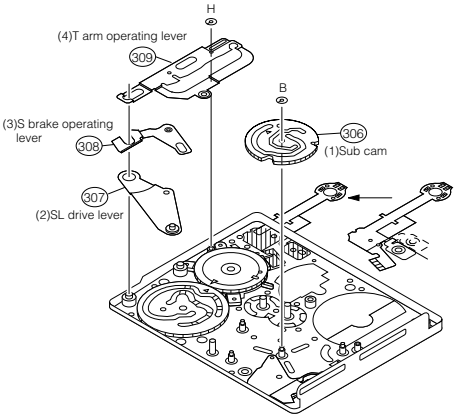
Note) For reference, numbers are prefixed to parts names to show the sequence of assembly.
(For the greasing/oiling and cleaning locations, refer to the diagram of greasing/oiling locations.)

1.



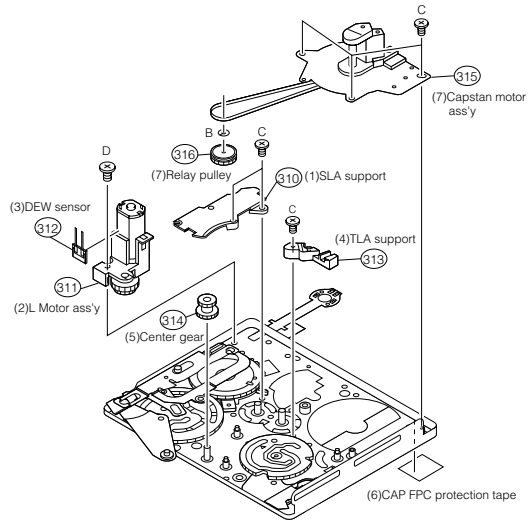
	Type	Tightening torque	Q'ty
A	M1.4xL1.6(Special screw)	0.4mN·m	2

2.



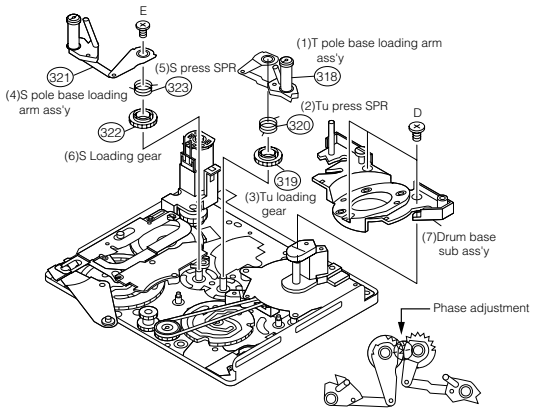
	Type	Tightening torque	Q'ty
B	CWø1.2-ø3.0t-0.25	————	1
H	CWø0.7-ø1.8-t0.2	————	1

3.



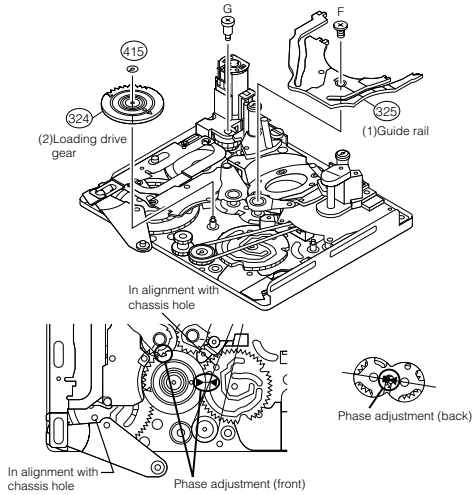
	Type	Tightening torque	Q'ty
C	S Tight M1.4xL2.0	0.4mN·m	5
D	S Tight M1.4xL3.0	0.4mN·m	1
B	CWø1.2-ø3.0t-0.25	————	1

4.



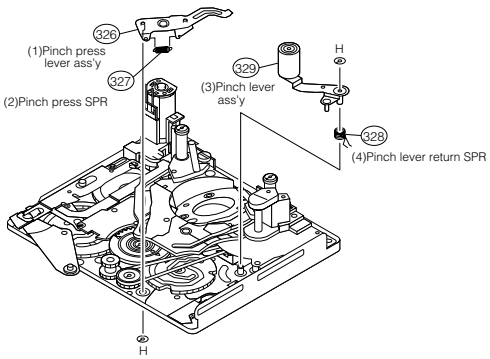
	Type	Tightening torque	Q'ty
D	S Tight M1.4xL3.0	0.4mN·m	3
E	M1.4xL2.0(t0.2 special screw)	0.4mN·m	1

5.



	Type	Tightening torque	Q'ty
F	M1.4xL1.5(t0.2 special screw)	0.4mN·m	1
G	M1.2xL4.6 (t0.2 particularly special screw)	0.4mN·m	1
415	CWø1.2-ø3.0t-0.25(Lumirror)	————	1

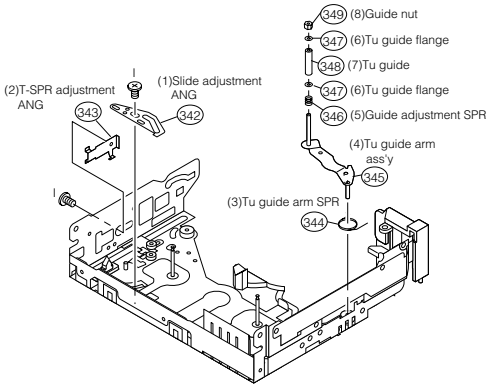
6.



	Type	Tightening torque	Q'ty
H	CWø0.7-ø1.8-t0.2	————	2

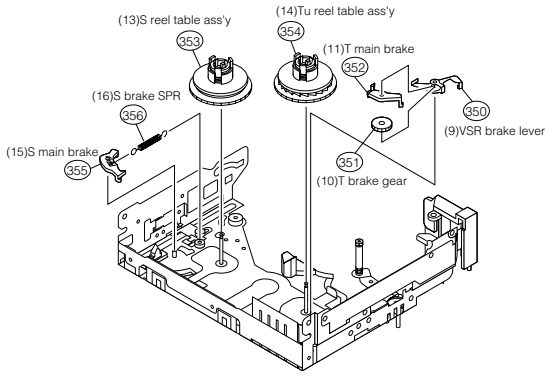
8-5-2. Method of assembling the slide chassis assembly

1.

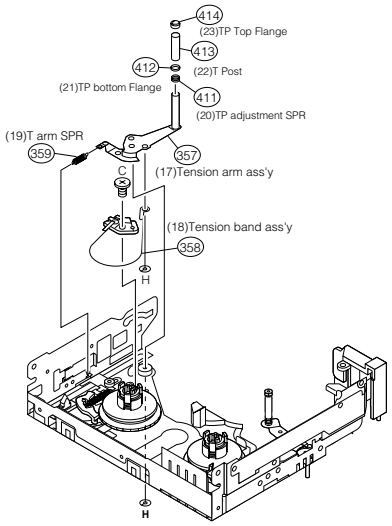


	Type	Tightening torque	Q'ty
I	Precision type 2·M1.4xL1.0	0.4mN·m	2

2.



3.



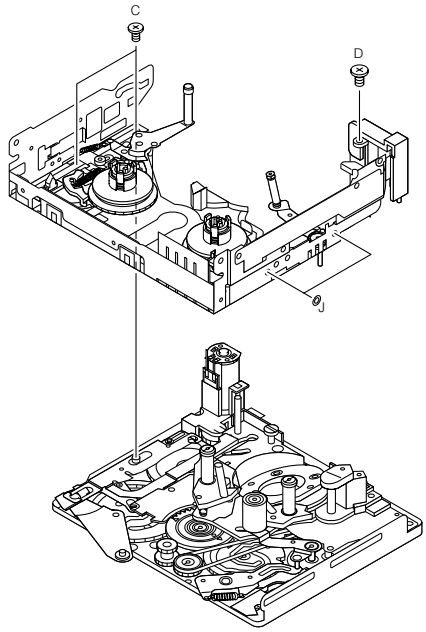
	Type	Tightening torque	Q'ty
C	S Tight M1.4xL2.0	0.4mN·m (Tightening fully)	1
		0.05mN·m (Tightening temporarily)	
H	CWø0.7-ø1.8-t0.2		2

8-5-3. Method of combining the main chassis assembly and the slide chassis assembly

(1) Position the assemblies as shown in the figure below (the pole base is slightly protruded).

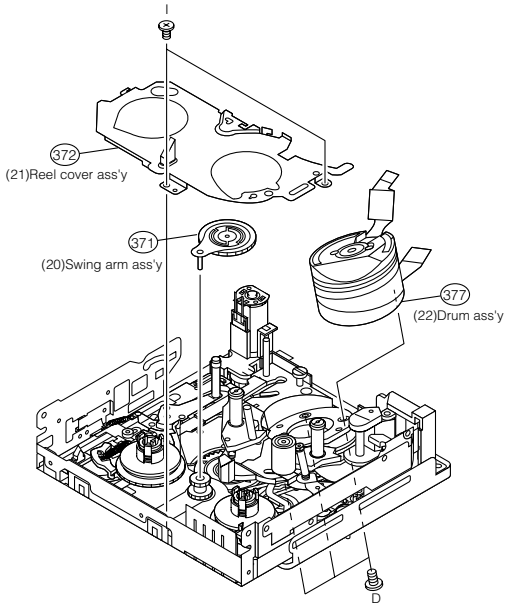
(2) Insert the operation pins (tension arm, Tu guide arm) of the slide chassis assembly into the locations of the main chassis assembly shown in the figure below, fit the SL drive lever pin of the main chassis assembly into the groove of the slide chassis (the groove of the slide adjustment ANG), and then fix with the two screws.

1.



	Type	Tightening torque	Q'ty
C	S Tight M1.4xL2.0	0.4mN·m	2
D	S Tight M1.4xL3.0	0.4mN·m	1
J	Wø2.1-ø4-t0.25	————	2

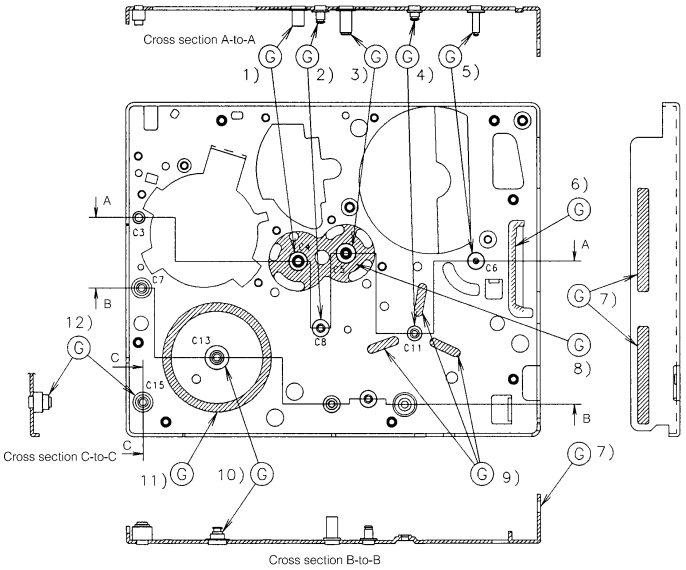
2.



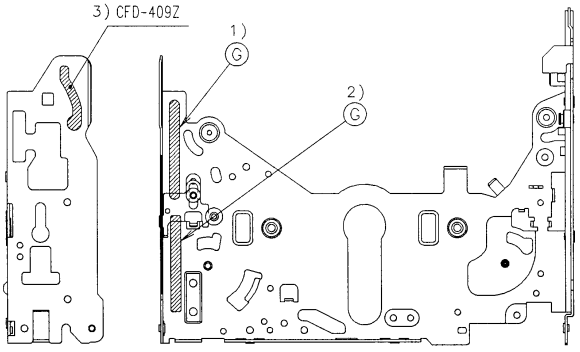
	Type	Tightening torque	Q'ty
D	S Tight M1.4xL3.0	0.4mN·m	1
I	Precision type 2·M1.4xL1.0	0.4mN·m	2

8-5-4. Diagram of greasing/oiling locations

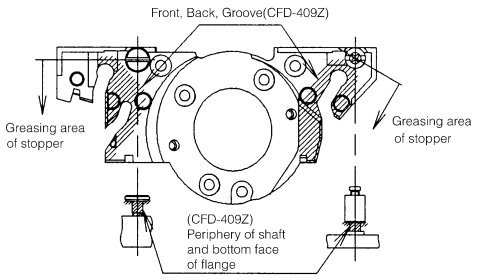
Note: About ▨ all over the figure.
Ⓖ : Molykote YM-103
CFD-409Z : Suncall CFD-409Z



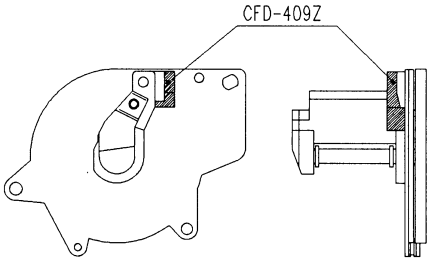
101 Main chassis Assy



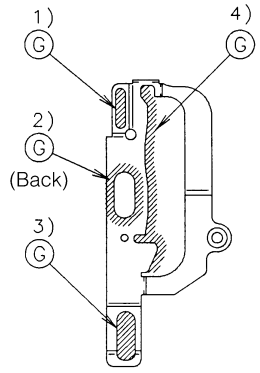
151 Slide chassis Assy


Front, Back, Groove(CFD-409Z)
Greasing area of stopper
Greasing area of stopper
(CFD-409Z) Periphery of shaft and bottom face of flange

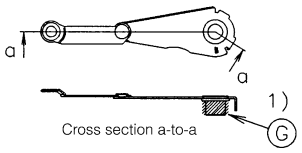
703 Drum base Assy
(Suncall CFD-409Z for all shaded areas)



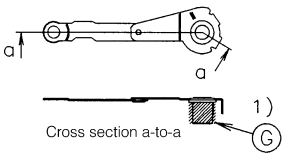
CAP motor bearing holder



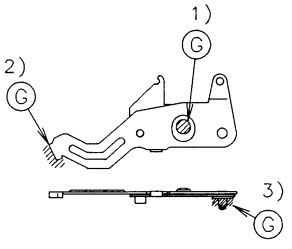
112 T arm operating lever



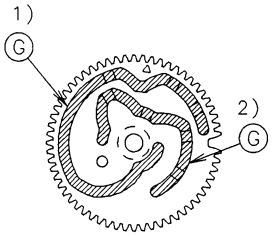
120 S loading arm Assy



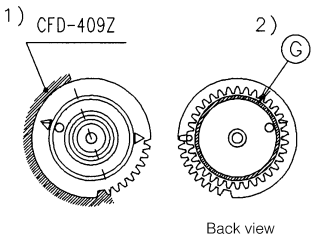
121 T loading arm Assy



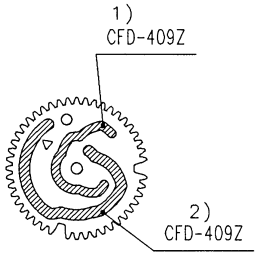
114 Pinch roller press lever Assy



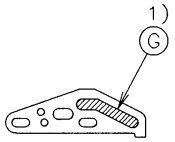
116 Main cam



204 Loading drive gear
(Can be immersed in Suncall)

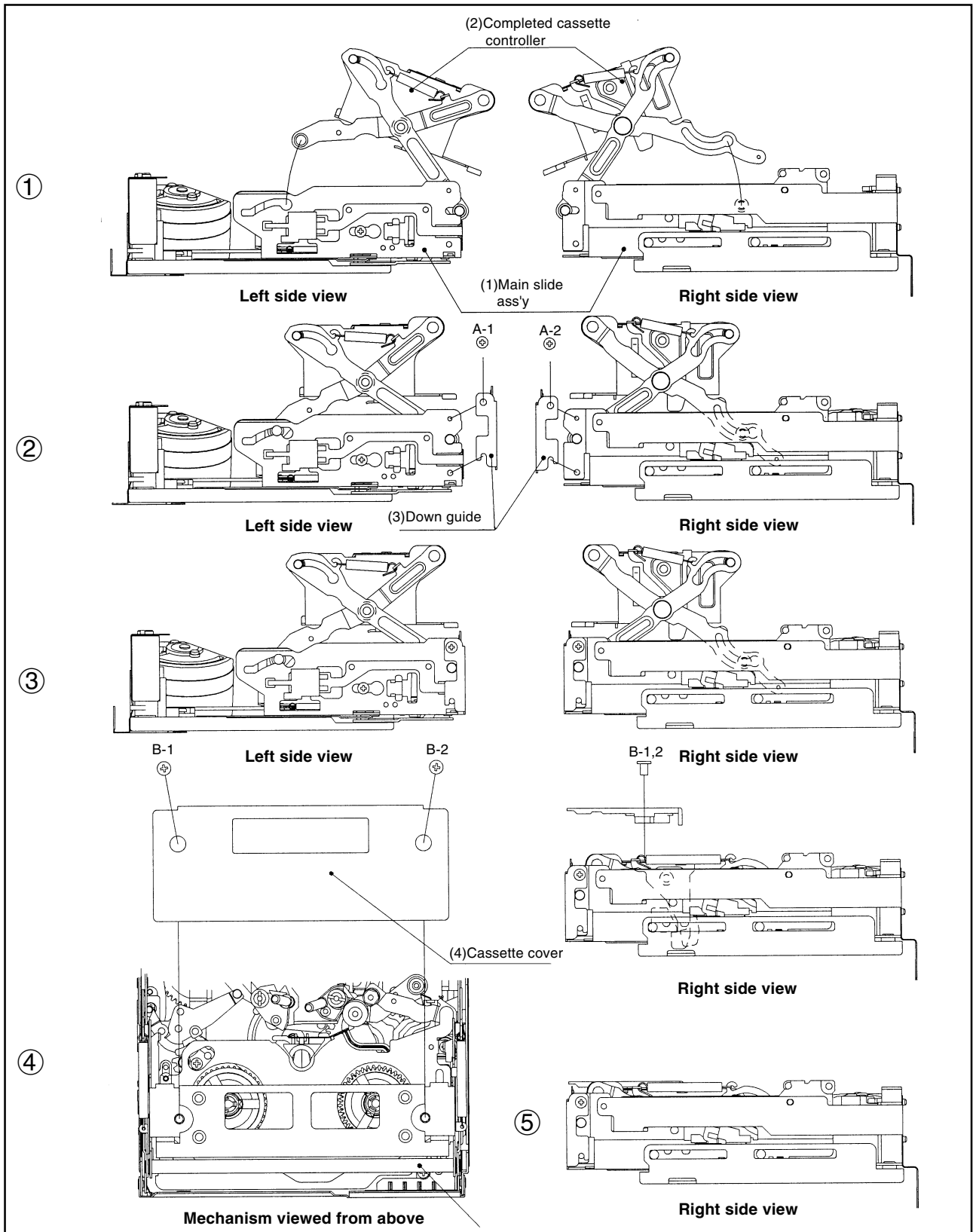


117 Sub cam
(Can be immersed in Suncall)



166 Slide adjustment ANG

8-6. Method of installing the cassette controller



C: Move down the cassette controller by pushing this portion. When the cassette controller is locked, attach the cassette cover.

	Type	Tightening torque	Q'ty
A	MI1.4xL2.0(Precision type 2)	0.4mN·m	2
B	M1.7x2.5(Precision type 2)	————	2

8-7. Method of taking out the cassette with the mechanism operating singly

(1) Apply 3 to 4V DC to the loading motor for slight unloading.
(2) If the tape is slack, turn the rotor (mechanism backside) of the capstan motor by hand to take up the slack in the tape.
(3) Repeat steps (1) and (2) above. When the pole base is completely unloaded, check that the tape is not slack.
(4) Then apply 3 to 4V DC to the loading motor again. The cassette controller will move up.
(5) Take out the cassette.
Note) When applying 3 to 4V DC to the loading motor for unloading, do so as shown in Fig.1.

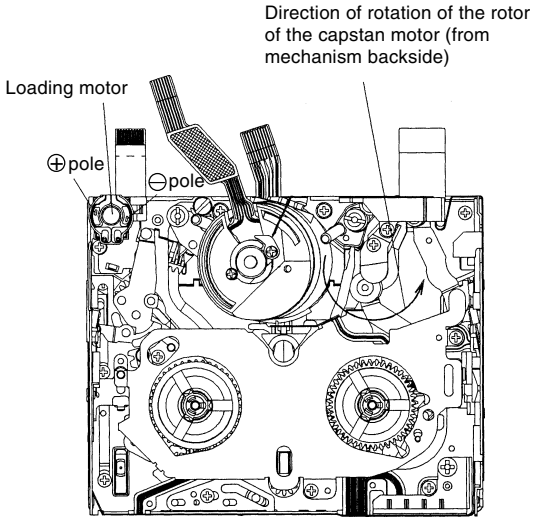


Fig.1

9. METHOD OF ADJUSTING THE ELECTRIC CIRCUIT

-Before making adjustment-

· It seems that, in most cases, this adjusting method is used when it becomes necessary to adjust the electric circuit as a result of replacement of worn mechanism parts or the video head. When adjusting the electric circuit, check that the mechanism operates properly (the mechanism is adjusted completely). If a failure occurs in the electric circuit, be sure to locate the fault using a measuring instrument and then perform repairing, replacement and adjustment, as described in this adjusting method.
Avoid performing undue adjustments etc. without using proper measuring instruments.

· The electric circuit components in the circuit board unit of this product are densely-packed into packages. Most of them are surface-mounted for downsizing.
When replacing components in servicing the product, perform replacement work swiftly with a soldering iron.
In general, surface-mounted components are inferior in heat resistance to large-sized discrete components used in TV sets, stationary decks, etc. Heating the electrode of a surface-mounted component with a soldering iron for a long time needlessly will therefore lead to a failure. Take great care not to do so.
Take special care in this respect when replacing chip multilayer capacitors in particular.
We recommend you to use a ceramic soldering iron (Tip temperature: 250°C, Contact time: 5 seconds or less).

9-1. Adjustment of liquid crystal video section

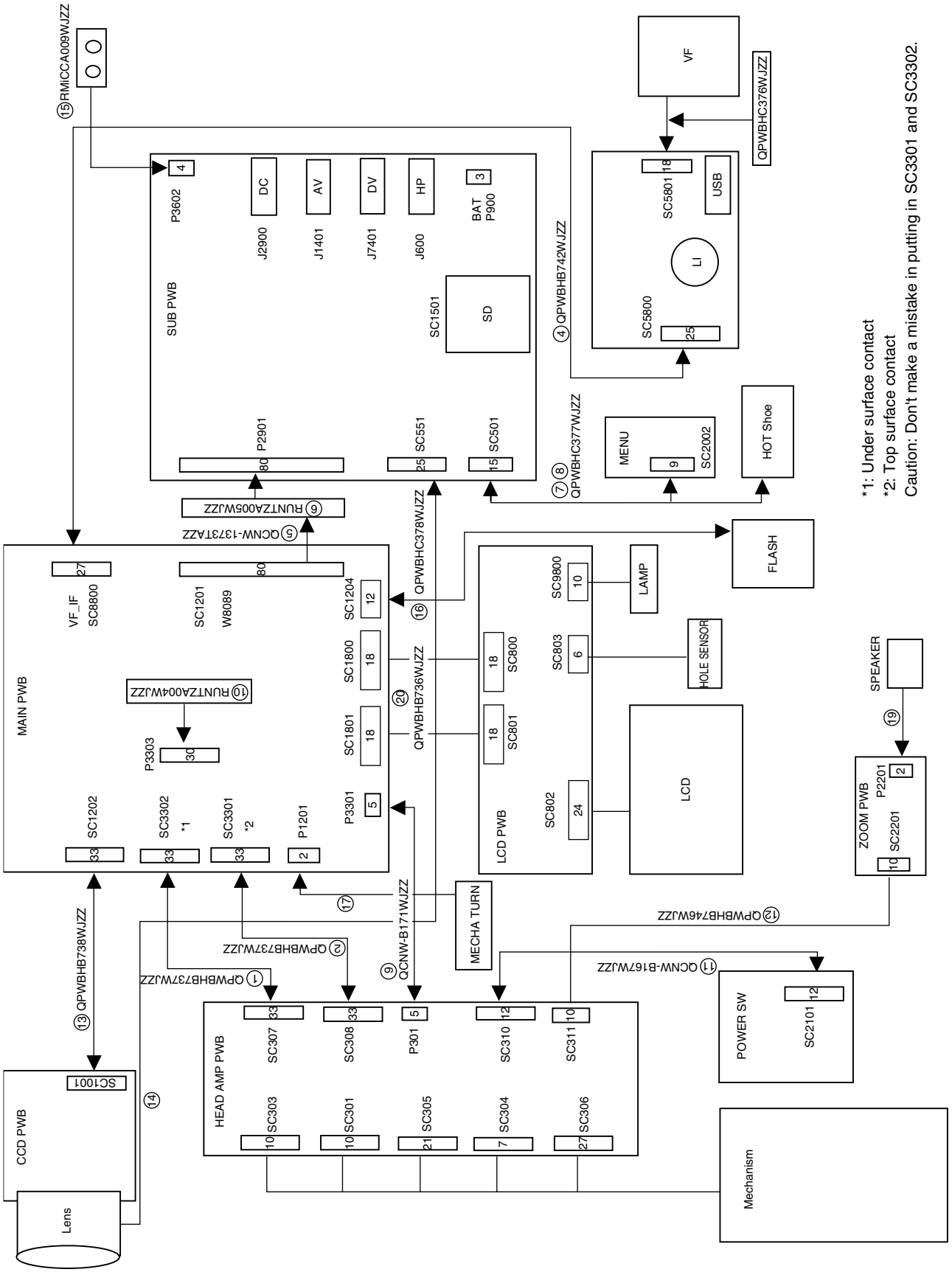
List of measuring jigs

· Color monitor TV · Digital voltmeter · DC power source · Audio generator (CR oscillator) · Frequency counter · AC adapter	· Stereo AV output cable (supplied) · Adjustment remote control (RRMCG0033TASA) · Signal generator (NTSC pattern generator LCG-401/ 401YC: Manufactured by Leader) · Oscilloscope	· Vector scope · Tape for recording · DC cable (supplied with AC adapter) · Extension wire of video section · Alignment tape 90ADDVC-TAPE (color bar)

VL-Z700S-T/Z800S-S/E-S/E-T/Z900H-S/Z950S-S/E-A/E-S/E-T/E-W Specifications of service jigs

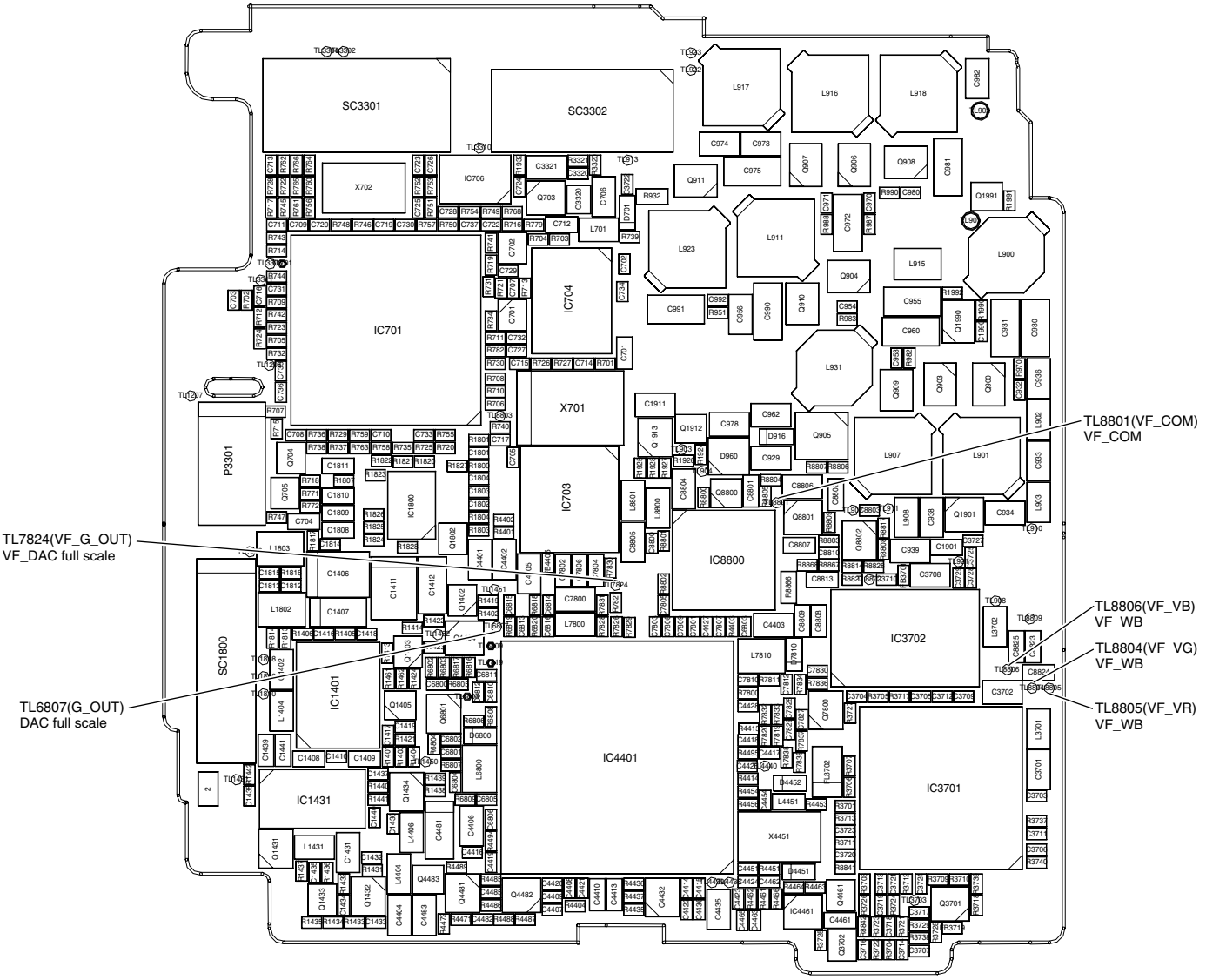
No.	Connection section	Connector REF. No.	No. of pins	New/ Cont.	Parts cord	Price code
1	H/A PWB — MAIN PWB①	SC307—SC3302	33P	C	QPWBHB737WJZZ	AN
2	H/A PWB — MAIN PWB②	SC308—SC3301	33P	C	QPWBHB737WJZZ	AN
3	V/F — USB PWB	SC5801	18P		QPWBHC376WJZZ Product used	AF
4	MAIN — USB PWB	SC8800—SC5800	27P-25P		QPWBHB742WJZZ Product FPC used	AE
5	MAIN — RUNTA005WJZZ	SC1201	80P	C	QCNW-1373TAZZ	BQ
6	RUNTA005WJZZ — SUB	P2901	80P	C	RUNTZA005WJZZ	AX
7	Hot shoe — SUB	Hot shoe—SC501	15P		QPWBHC377WJZZ Product FPC used	AK
8	Menu key — SUB	SC2002—SC501	9P-15P		QPWBHC377WJZZ Product FPC used	AK
9	H/A PWB — MAIN PWB	P301—P3301	5P		QCNW-B171WJZZ Product wire used	AF
10	TP jig for envelope checking	P3303	30B-B	C	RUNTZA004WJZZ	AW
11	Power supply	SC310—SC2101	12P		QCNW-B167WJZZ Product FFC used	AC
12	ZOOM	SC311—SC2201	10P	C	QPWBHB746WJZZ	AE
13	CCD PWB — MAIN	SC1001—SC1202	33P		QPWBHB738WJZZ Product FPC used	AD
14	Lens unit — SUB	SC551	25P		CLNS-A005HA50 Product unit used	CE
15	MIC — SUB	P3602	4P		RMiCCA009WJZZ Product unit used	AM
16	FLASH — MAIN	FLASH—SC1204	12P		QPWBHC378WJZZ Product FFC used	AE
17	MECHA TURN — MAIN	P1201	2P		DUNTKC372PM00 Product unit used	AG
19	SPEAKER — ZOOM	P2201	2P		VSP0020P-B3WN Product unit used	AL
20	LCD UNIT — MAIN	SC1800/SC1801	18Px2		QPWBHB736WJZZ Product FPC used	AR

VL-Z700S-T/Z800S-S/E-S/E-T/Z900H-S/Z950S-S/E-A/E-S/E-T/E-W Service jig configuration

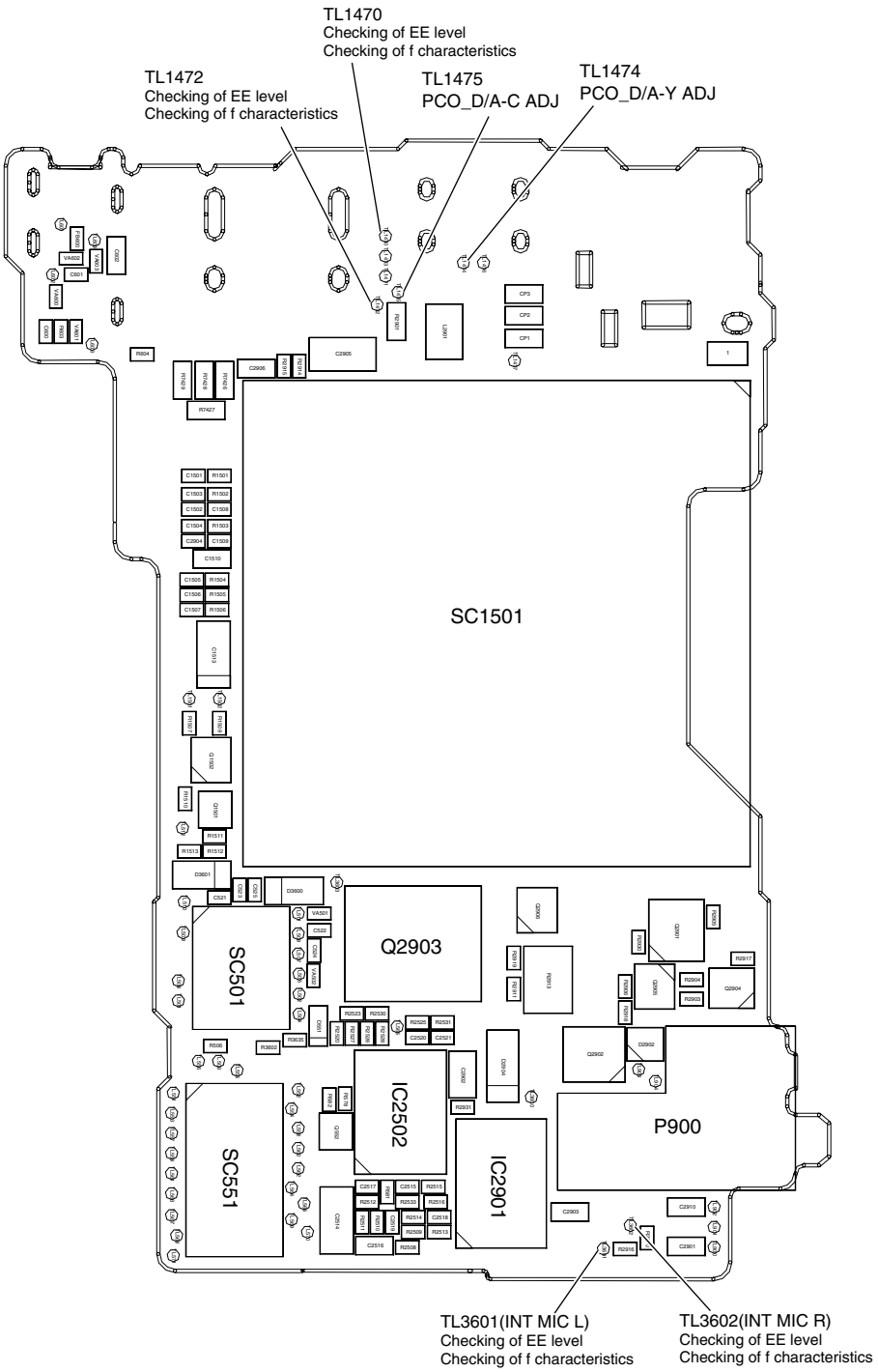


[TEST POINT]

(Wiring board diagram: Main Side A)



(Wiring board diagram: Sub Side A)



[Execution of adjustment]

Adjustment of servo and system controller

1. System code setting

It is necessary to set the following data items after replacing IC705 (E^2PROM).

<Adjusting method>

Select the VCR adjustment mode and set the data value at each address.

Code	Specifications		Destination		Specifications		Menu setting		Software switching		Calendar	
Address	01	09	02	0A	03	0B	04	0C	05	0D	07	0F
Z700S-T	18	E7	0A	F5	C6	39	00	FF	00	FF	04	FB
Z800S(SS/AS)	18	E7	0A	F5	44	BB	00	FF	00	FF	04	FB
Z800S(RS)	18	E7	2A	D5	44	BB	00	FF	00	FF	04	FB
Z800E(ES/WS/ET/WT/XT)	18	E7	0B	F4	4C	B3	00	FF	00	FF	04	FB
Z900H(HS)	02	FD	0D	F2	4C	B3	00	FF	00	FF	04	FB
Z950S(SS/AS)	04	FB	0A	F5	44	BB	00	FF	00	FF	04	FB
Z950S(RS)	04	FB	2A	D5	44	BB	00	FF	00	FF	04	FB
Z950E(ES/WS/ET/WT/XT/EW/EA)	04	FB	0B	F4	4C	B3	00	FF	00	FF	04	FB

Code	1394/exif model name											
Address	1A1	1A2	1A3	1A4	1A5	1A6	1A7	1A8	1A9	1BD	1BE	1BF
Z700S-T	56	4C	2D	5A	37	30	30	53	00	00	00	00
Z800S(SS/AS)	56	4C	2D	5A	38	30	30	53	00	00	00	00
Z800S(RS)	56	4C	2D	5A	38	30	30	53	00	00	00	00
Z800E(ES/WS/ET/WT/XT)	56	4C	2D	5A	38	30	30	45	00	00	00	00
Z900H(HS)	56	4C	2D	5A	39	30	30	48	00	00	00	00
Z950S(SS/AS)	56	4C	2D	5A	39	35	30	53	00	00	00	00
Z950S(RS)	56	4C	2D	5A	39	35	30	53	00	00	00	00
Z950E(ES/WS/ET/WT/XT/EW/EA)	56	4C	2D	5A	39	35	30	45	00	00	00	00

• Automatic adjustment

Mode	VCR ADJ mode
Adjusting method	1) Using command 12, select the VCR adjustment mode. 2) Using command 20, enable writing to the E^2PROM. 3) Using command 22, set the above-shown system codes according to the model. 4) Using the command, inhibit writing to the E^2PROM. 5) Using the command, exit the VCR adjustment mode.
Examples	• Replacement of E^2PROM (IC705)

• Manual adjustment

Mode	VCR ADJ mode
Adjusting method	1) Set the CAM/OFF/VCR selector switch to VCR. 2) Press "CONTINUE" → "VCR adjustment" on the remote control to enter the VCR ADJ mode. (At this time, "VCR ADJ" is displayed in the lower left part.) Enter the specified value at each address. · Shown below is the procedure for setting. 3) Select an address by increasing or decreasing the flashing numeric value with the FF or REW key and press the PB key to confirm it. 4) Set the flashing numeric value to the specified value by increasing or decreasing it with the FF or REW key and press the PB key to confirm it. 5) Press the STOP key to make it possible to select an address. 6) Repeat steps (3), (4) and (5) above until all the data items are set. Then press "CONTINUE" to exit the VCR ADJ mode. 7) Set the CAM/OFF/VCR selector switch to OFF.
Examples	·Replacement of E^2PROM (IC705)

2. Adjustment of HSWP

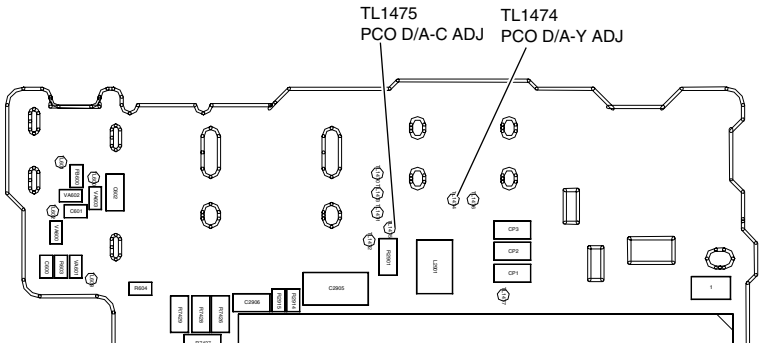
Mode	VCR ADJ mode
Adjusting method	1) Select the video mode and play back the alignment tape. 2) Press "CONTINUE" → "HSWP ADJ" keys on the remote control. → HSWP adjustment execution (When the adjustment is completed, "GOOD" is displayed on the LCD and ejecting is performed automatically.) If adjustment cannot be made, "NG" is displayed on the LCD.
Examples	· Replacement of mechanism · Replacement of E²PROM

3. Adjustment of shutdown

Mode	VCR ADJ mode
Adjusting method	1) Set a recordable tape and select the camera mode. 2) Press "CONTINUE" → "TEST SEL" on the adjustment remote control to enter the TEST mode (T-01 flashing). 3) Select T-03 with the FF and REW keys and press "PB" key. 4) Adjust the power supply voltage so that TL904(+) becomes 6.00V ± 50mV as viewed from TL900(-). 5) Press the "Display change" button on the main unit. Turn OFF the power.
Examples	· Replacement of microcomputer (IC701), Regulator (IC704) and E²PROM (IC705)

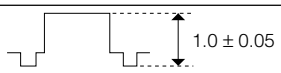
ADJUSTMENT OF VIDEO I/O CIRCUIT SYSTEM

(Wiring board diagram: Sub Side A)



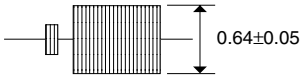
1. PCO D/A-Y adjustment

Measurement point	TL1474 (connected to oscilloscope)		
Address	VCR ADJ 566	Mode	EE mode
Procedure	1) Connect the AVS cable and then connect it to the monitor (TO). 2) Call the adjustment mode (V-ADJ). 3) Set the address to "566", and call the date. (100% white signal is output.) 4) Vary the date with the FF and REW keys to set the signal appearing at TL1474 to 1.0Vp-p ± 0.05Vp-p.		
Examples	• During IC705 replacement. • During IC4401 replacement. • During IC1401 replacement.		



2. PCO D/A-C adjustment

Test point	TL1475		
Address	VCR ADJ 567	Mode	EE mode
Procedure	1) Connect the AVS cable and then connect it to the monitor (TO). 2) Call the adjustment mode (V-ADJ). 3) Set the address to "567", and call the data. 4) Vary the data with the FF and REW keys to set the signal appearing at TL1475 to 0.64Vp-p ± 0.05Vp-p.		
Examples	• During IC705 replacement. • During IC4401 replacement. • During IC1401 replacement.		

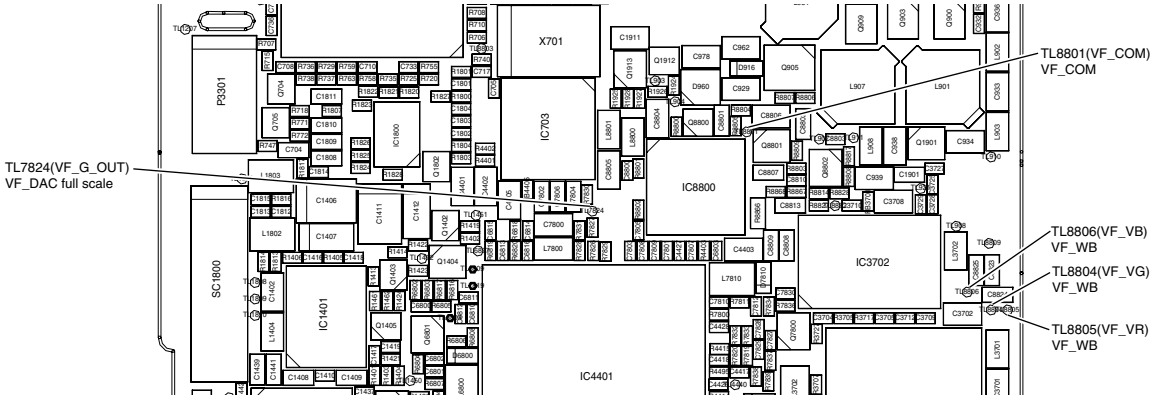


3. Check of electromagnetic conversion circuit system (Auto check of playback envelope signal quality and error rate)

Mode	VCR adjustment mode
Procedure	1) Insert a recordable tape and enter the VCR mode. 2) Press the "CONTINUE" → "TEST SEL" keys on the remote control for adjustment to enter the TEST mode. ("T-01" is displayed on the LCD.) 3) Select "T-0F" using the FF or REW key and press the PB key. 4) LP recording of the color bar/rewind/playback and playback envelope/error rate are inspected automatically. 5) The results are displayed about 50 seconds after the start. (1) ENV NG: Playback envelope signal amplitude or balance between channels is lower than standard. (2) SYNC NG: SYNC error rate is lower than standard. (3) ECC NG: ECC error rate is lower than standard. (4) CK-OK: No problem. * If one of the error inspections 1 to 3 is NG, the result is displayed and the test ends at that point. (Inspections following that are not executed.) 6) Turn off the main unit to exit.
Examples	• When replacing the mechanism. • When confirming a defect of the electromagnetic conversion system such as dirty video heads.

ADJUSTMENT OF VF CIRCUIT

(Wiring board diagram: Main Side A)



1. Setting data

Address	4AF	4B2	4C1	4C4	582	58C
Data	77	30	68	B0	48	90

2. Adjustment of VF_COM amplitude (Main PWB)

Measurement point	TL8801(VF_COM)	Address	VCR ADJ 32
Procedure	1) Set the data value at address 5EB (TESTSW2) to 77. 2) Connect the digital voltmeter to TL8801 (VF_COM). At address 32 (VF_DAC_C), adjust the DC voltage to the adjustment rating.		
Adjustment rating	3.5V ± 50mV		
Examples	· Replacement of IC705		

3. Adjustment of VF_DAC full scale (Main PWB)

Measurement point	TL7824(VF_G_OUT)	Address	VCR ADJ 59D
Procedure	1) Set the data values at addresses 587 (GRYLEV)/58C (γ PEAK)/5EB (TESTSW2) and 5E6 (OSDSW) to FF/80/77 and 00, respectively. (The LED shows nothing.) 2) Set the data values at addresses 59F (CLAMP)/58D (PEDESTAL) and 5B7 (VCLK3 INV) to 00/80 and 48, respectively. 3) Connect the digital voltmeter to TL7824 (VF_G_OUT) and measure the DC voltage. * The measured voltage is (DA_VF-G). 4) Set the data values at addresses 59F (CLAMP) and 58D (PEDESTAL) to 80 and 00, respectively. 5) At address 59D (VF_DAC_G), adjust the DC voltage to the adjustment rating. 6) Reset the data at addresses 587 (GRYLEV)/58C (γ PEAK)/58D (PEDESTAL)/59F (CLAMP)/5B7 (VCLK3 INV)/5E6 (OSDSW) and 5EB (TESTSW2) to their original values. (Initial values: 40/C5/38/28/90/28 and 7F)		
Adjustment rating	DA_VF-G +0.39V ± 10mV		
Examples	· Replacement of IC705, IC4401		

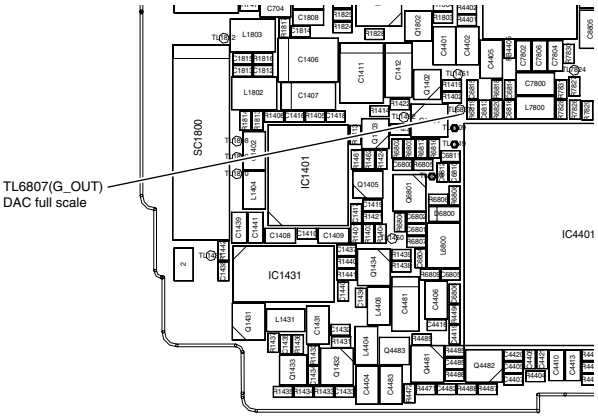
4. Adjustment of VF_WB (Main PWB)

Measurement point	TL8804(VF_VG), TL8805(VF_VR), TL8806(VF_VB)
Address	VCR ADJ 58E, 590
Procedure	1) Set the data values at addresses 587 (GRYLEV) and 5E6 (OSDSW) to 80 and 70, respectively. 2) Connect the oscilloscope to TL8804 (VF_VG) and TL8805 (VF_VR), and at address 58E (VF_WB-R), adjust the amplitude to the adjustment rating. 3) Connect the oscilloscope to TL8804 (VF_VG) and TL8806 (VF_VB), and at address 590 (VF_WB_B), adjust the amplitude to the adjustment rating.
Adjustment rating	0mV ± 40mV, 0.1mV ± 40mV
Examples	· Replacement of IC705, IC4401, IC8801

ADJUSTMENT OF LCD CIRCUIT

When making this adjustment, set the backlight switch to "Normal".

(Wiring board diagram: Main Side A)



1. Setting data

Address	027	08D	090
Data	94	50	30

The same adjusting procedure and connections as described for the VCR section are used.

2. Adjustment of DAC full scale (Main PWB)

Measurement point	TL6807(G_OUT)	Address	VCR ADJ 094(G)
Mode	VCR AV input		
Adjusting method	1) Set the data values at addresses 41E/086/41C and 410 to FF/80/77 and 00, respectively. (The LED shows nothing.) 2) Set the data values at addresses 096/411 and 0A8 to 00/80 and 58, respectively. 3) Connect the digital voltmeter to TL6807 (G_OUT) and measure the DC voltage. * The measured voltage is (DA_VG). 4) Set the data values at addresses 096 and 411 to 80 and 00, respectively. 5) At address 094, adjust the DC voltage to the adjustment rating. 6) Reset the data at addresses 41E/086/096/41C/411/0A8 and 410. (Initial value: 00/C5/28/7F/28/52 and 7D)		
Adjustment rating	DA_VG + 0.31V ± 10mV		
Examples	· Replacement of IC705, IC4401		

3. Adjustment of COM-Bias (with the unit settings complete)

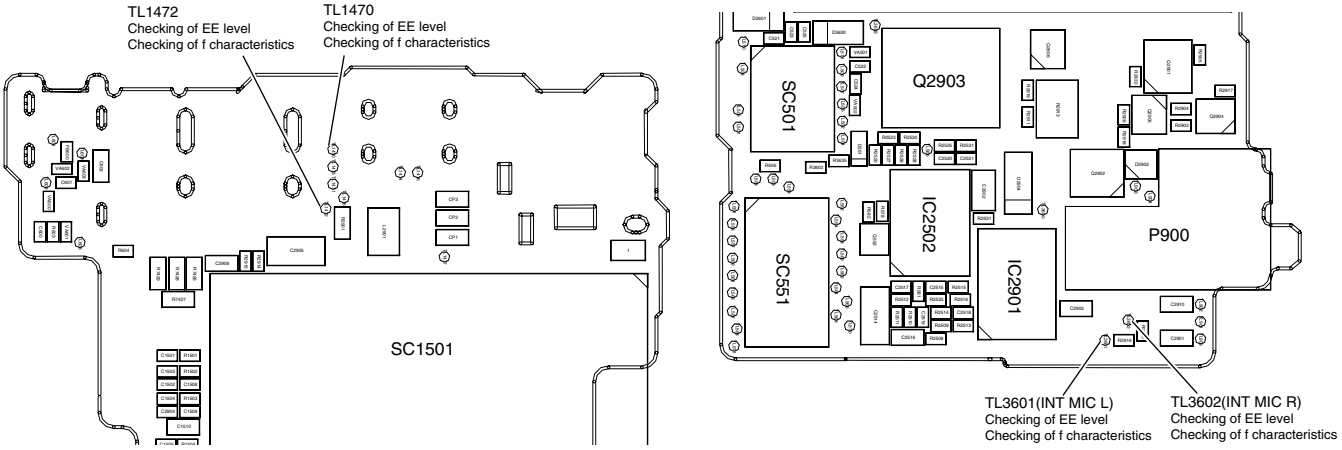
Measurement point	LCD panel display surface	Address	VCR ADJ 025
Mode	VCR AV input		
Adjusting method	1) Apply a 40% white signal to the AV input. 2) Set the illuminometer (TOPCON IM-3) on the LCD panel surface. (Cut off outside light.) 3) Minimize the ripple of the output waveform of the illuminometer.		
Adjustment rating	Minimum value Response time: 0.6 sec		
Remarks	Make adjustment after five minutes or more of aging.		
Examples	· Replacement of LCD panel		

4. Adjustment of W/B (with the unit settings complete)

Measurement point	LCD panel display surface	Address	VCR ADJ 41F, VCR ADJ 421
Mode	VCR AV input		
Adjusting method	1) Apply a 40% white signal to the AV input. 2) Apply a 40% white signal to the standard monitor. Make adjustment so that the image on the LCD becomes equivalent to the image on the standard monitor.		
Adjustment rating	Standard monitor		
Remarks	Make adjustment after five minutes or more of aging.		
Examples	· Replacement of LCD panel · Replacement of IC4401, IC705, IC1800		

ADJUSTMENT OF MIC AMP CIRCUIT

(Wiring board diagram: Sub Side A)



1. Checking of EE level (Sub PWB)

Measuring instrument	Valve voltmeter	Measurement point	TL1472, TL1470
Mode	P-ON (CAM)	Adjustment rating	-8dBs ± 3dB
Test signal	1kHz, -54dBs sine wave		
Adjusting method	1) Apply a 1kHz, -54dBs sine wave to TL3601 (INT MIC L) and TL3602 (INT MIC R). 2) Check that the signal levels of TL1472 Audio-L out and TL1470 Audio-R out satisfy the adjustment rating.		
Examples	————		

2. Checking of f characteristics (Sub PWB)

Measuring instrument	Valve voltmeter	Test point	TL1472, TL1470
Mode	P-ON (CAM)	Adjustment rating	(On a base of 1kHZ) 100Hz : -6dBs ± 3dB 10kHz : -3dBs ± 3dB
Test signal	100Hz and 10kHz , -54dBs sine wave		
Adjusting method	1) Apply a -54dBs, 100Hz sine wave and then a 10kHz , -54dBs sine wave to TL3601 (INT MIC L) and TL3602 (INT MIC R). 2) Check that the signal levels of TL1472 Audio-L out and TL1470 Audio-R out satisfy the adjustment rating on a base of 1kHZ in each case.		
Examples	————		

Setting of MODEL ID

Address	VCR ADJ FD, FE, FF		
Mode	VCR mode	Setting rating	10, 20
Setting method	1) Using command 12, select the VCR adjustment mode. 2) Using command 20, enable writing to the E^2PROM. 3) Set MODEL ID at each address.		
Examples	Replacement of E^2PROM (IC705)		

Address	FDh	FEh	FFh	
Date	10h	20h	Z700ST	8E
			Z800S	74
			Z800E	76
			Z900H	72
			Z950S	6F
			Z950E	70

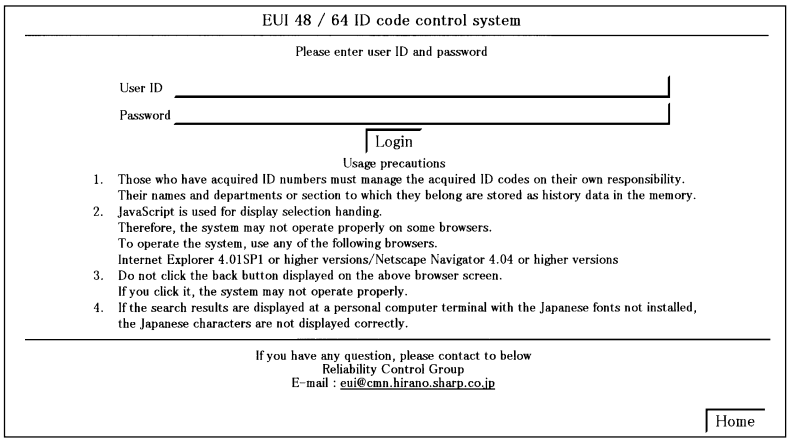
DV INTERFACE (IEEE1394) ID SETTING

This unit has a DV interface function conforming to IEEE1394. Each unit therefore must have its own ID number. Because this ID is written into the E²PROM (IC705) in the main PWB, it is necessary to newly write the ID newly when this IC is replaced.

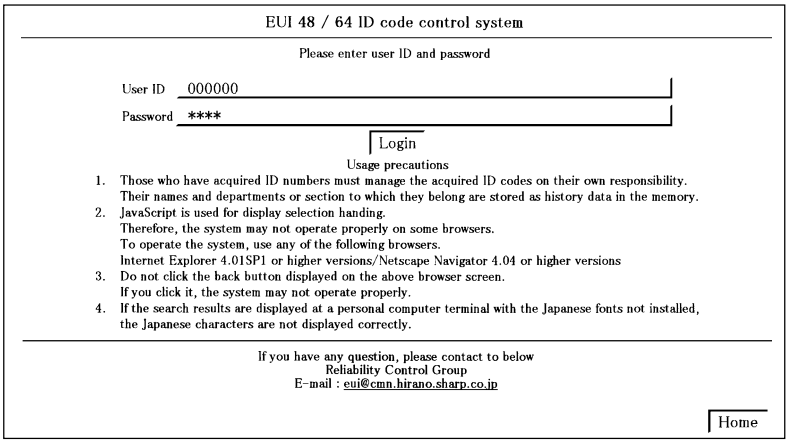
Address	180, 17F, 17E	Mode	VCR
Setting rating	ID number obtained from the URL below		
Setting method	1) Refer to the ID code application below. 2) Place the data acquired in step (1) at the corresponding address in the VCR mode. * Download an ID number and write it on the main unit according to the notice from the AV System Group "Issue No.S8-001".		
Examples	• Replacement of E²PROM (IC705 in main PWB)		

■ ID code application

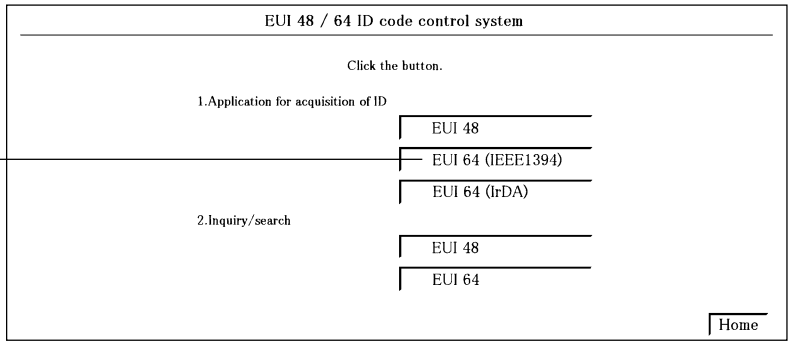
1. Connect with the EUI48/64 ID code control system.
   (1) Start the Internet Explorer or Netscape Navigator.
   (2) Access the following address.(URL: http://www.rcg.kami.sharp.co.jp/quics/index.html)
   Select "EUI48/64 ID code control system" among the "Service" items.
   Note: If you want to establish a connection by directly inputting the URL, please input the following.
   URL:http://www1.rcg.kami.sharp.co.jp:7000/adrs_agt/adrs_dba/ide00010.main
   The login screen will appear.


EUI 48 / 64 ID code control system
Please enter user ID and password
User ID
Password
Login
Usage precautions
1. Those who have acquired ID numbers must manage the acquired ID codes on their own responsibility.
Their names and departments or section to which they belong are stored as history data in the memory.
2. JavaScript is used for display selection handing.
Therefore, the system may not operate properly on some browsers.
To operate the system, use any of the following browsers.
Internet Explorer 4.01SP1 or higher versions/Netscape Navigator 4.04 or higher versions
3. Do not click the back button displayed on the above browser screen.
If you click it, the system may not operate properly.
4. If the search results are displayed at a personal computer terminal with the Japanese fonts not installed,
the Japanese characters are not displayed correctly.
If you have any question, please contact to below
Reliability Control Group
E-mail : eui@cmn.hirano.sharp.co.jp
Home

(3) Input the [User ID] and [Password]. Click on [Login].

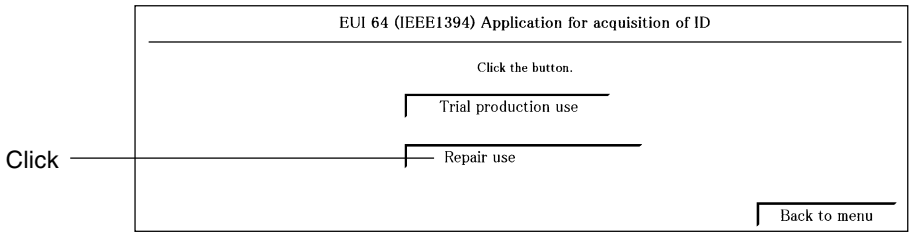

EUI 48 / 64 ID code control system
Please enter user ID and password
User ID 000000
Password ****
Login
Usage precautions
1. Those who have acquired ID numbers must manage the acquired ID codes on their own responsibility.
Their names and departments or section to which they belong are stored as history data in the memory.
2. JavaScript is used for display selection handing.
Therefore, the system may not operate properly on some browsers.
To operate the system, use any of the following browsers.
Internet Explorer 4.01SP1 or higher versions/Netscape Navigator 4.04 or higher versions
3. Do not click the back button displayed on the above browser screen.
If you click it, the system may not operate properly.
4. If the search results are displayed at a personal computer terminal with the Japanese fonts not installed,
the Japanese characters are not displayed correctly.
If you have any question, please contact to below
Reliability Control Group
E-mail : eui@cmn.hirano.sharp.co.jp
Home

(4) Click on [EUI 64 (IEEE1394)] from
[1. Application of acquisition of application for ID].

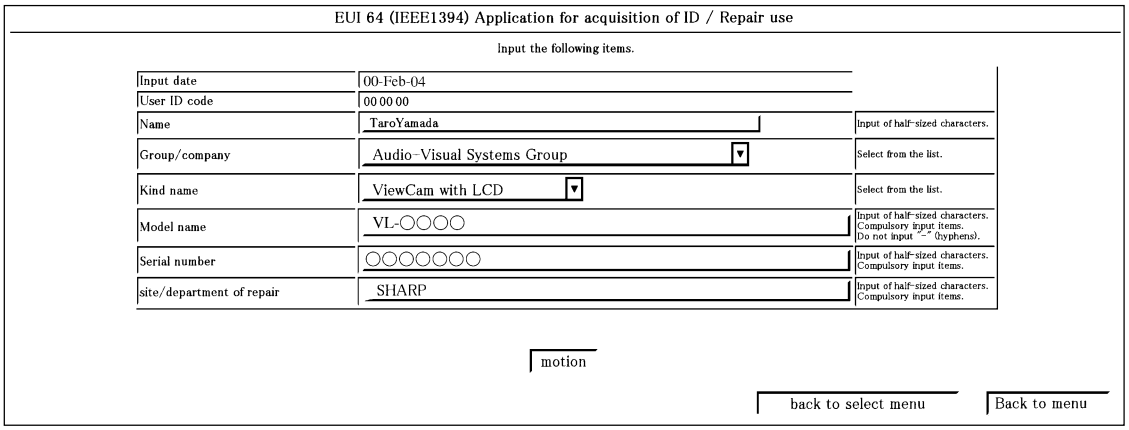


Click

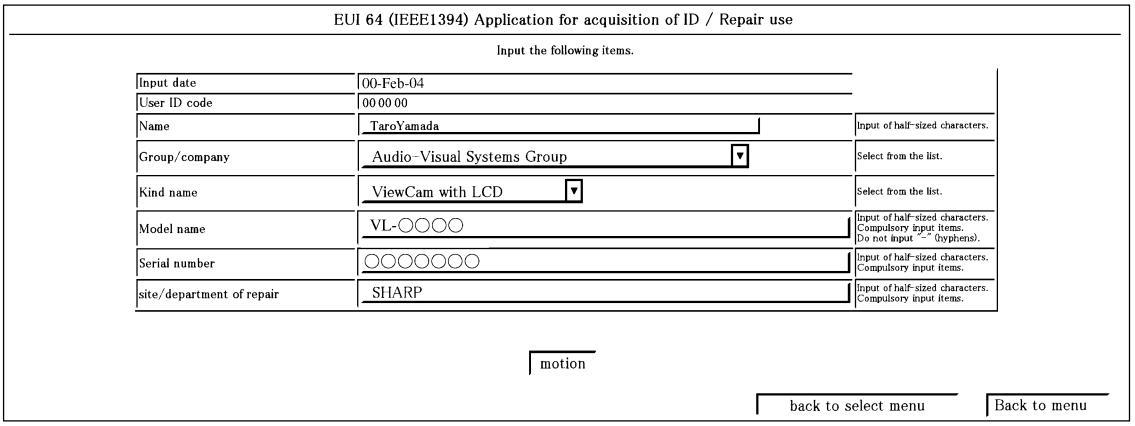
(5) Click on [Repair use].



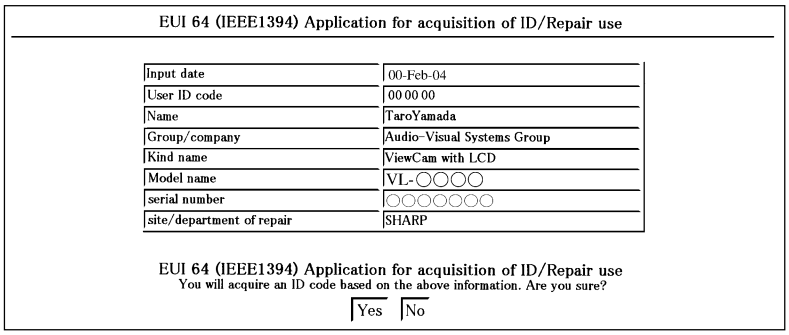
(6) Input the necessary information for the application.
Be sure to input the necessary input items.
Select the [Group/company] and [Kind name] from the list.
Input the [Model name] in half-size characters.
Input the [Serial number] in half-size characters.
Input the [Site/department] of repair in full-size characters.



(7) Click on [Motion].
The confirmation screen will appear.



(8) Click on [Yes].



2. Print the application result.
(1) Print out the application result screen.
Control the application result as evidence.
To print it out, select "Print (P) "under "File (F)" on the menu bar or click on the print button on the tool bar.
(2) Click on [Menu] to complete the application.
If you make application in succession, repeat steps (1) to (8).
To end it, click on [End] on the menu screen.

9-2. Adjustment of camera section

9-2-1. Servicing of camera section

(1) Camera adjustment should be performed with the set completed.

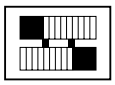
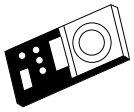
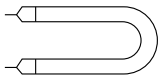
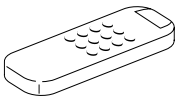
(2) Subjects, measuring instruments and jigs necessary for servicing and adjustment of the camera section

• Gray scale chart • Color bar chart • Oscilloscope • Digital voltmeter • Halogen lamp: 2 pcs. • Vector scope	• Frequency counter • Illumination meter • Color temperature meter • Color temperature conversion filter HOYA "LB-165" • Color video monitor	• Video output cable • AC adapter • Extension cables • Adjustment remote control

9-2-2. List of camera jigs

Sketch

<Note: Order of descriptions> 1. Jig name 2. Part code 3. Code

 1. Gray scale chart (390 x 520 mm) 2. JiGCHART-1 3. CP	 1. Color bar chart (240 x 320 mm) 2. JiGCHART-4 3. DA	 1. Illuminometer (0 to 3000 lx) 2. JiGMETER-1 3. CT	 1. Color temperature meter (1600 to 40000 degrees K) 2. JiGMETER-2 3. EL
1. Color temperature conversion filter (3200 degrees K ⇒ 6800 degrees K) 2. JiGHOYA-LB165 3. BN	 1. PC plate connector drawer 2. JiGTH-SS10 3. AW	 1. Adjustment remote control 2. RRMCG0033TASA 3. BT	

9-2-3. Adjustment of camera section

(1) Preparations and checking before adjustment

1) Adjust the lighting so that the illumination intensity is about 3000 lx and that uniform illumination is provided on the whole pattern. (It is desirable that two or more lamps be used as light sources.) Set the color temperature at 3200K.
2) The test pattern used should be free from stains and color deterioration.
3) If a failure occurs in the electric circuit, be sure to locate the fault using a measuring instrument and perform repairing or replacement before making adjustment of camera section.

(2) Adjustment remote control RRMCG0033TASA

The adjustment remote control (RRMCG0033TASA) is used to adjust the camera section of this unit. Adjustment is made by writing data into the E²PROM(IC705) at particular addresses using the remote control via the microcomputer.

1) To adjust the camera

Press the "CONTINUE" key and then press the "CAM ADJ" key.
The following display will appear on the LCD screen, allowing you to make adjustment.

CAM ADJ
□□□□

2) Description of display

CAM □□□□ (Address value)　ADJ □□□□ (Data value)

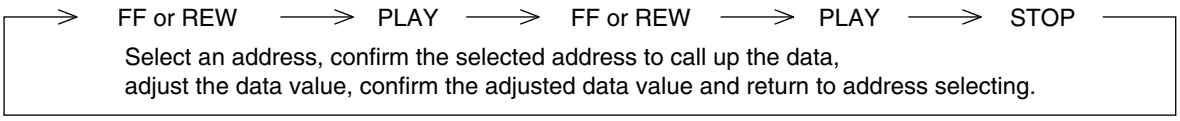
(It means camera adjustment.)

* This unit has addresses 0000 to 07FF.
* Byte data (last two digits valid) and 2-byte data (last three digits valid) are available.

3) Description of remote control keys

"FF" key: It is used to increase the address value and data value.
"REW" key: It is used to decrease the address value and data value.
"PLAY" key: It is used to confirm the selected address to call up the data. It is also used to confirm the data value.
"STOP" key: It is used to clear the data and make it possible to select an address.

4) Operation flow


FF or REW
PLAY
FF or REW
PLAY
STOP
Select an address, confirm the selected address to call up the data,
adjust the data value, confirm the adjusted data value and return to address selecting.

5) After completion of adjustment

Press the "CONTINUE" key to make the display "CAM ADJ" disappear.

Note: Before pressing the "CONTINUE" key, check that the unit is not in the auto focus adjustment mode or the camera signal system adjustment mode (described later).

● Camera section adjustment mode

The auto focus adjustment mode and the camera signal system adjustment mode are used for adjustment of the camera section.

Note: The adjustment data are stored in the E²PROM as shown below. When making changes, it is therefore necessary to perform rewriting of data and checking of the latest data.

1) E²PROM (IC705) on main unit

Lens-related data and signal system adjustment data

(3) Auto focus adjustment mode

· The camera of this unit features automatic focussing by means of a microcomputer.

The auto focus circuit of this unit performs focusing operation based on the principle that the high frequency component in the video signal increases as focus is achieved. In addition, in order to achieve a large magnification with a small-size lens, the inner focus system is employed in which a master lens (rear lens) is moved forward and backward for focusing. This inner focus system enables full range focussing with a focal length range of 10 mm to infinite distance. However, because the maximum allowable distance from the closest subject to the tele end is 1.5 m, a subject less than 1.5 m away from the tele end cannot be focused on if it is shot at the tele end. In such cases, zooming-out is performed automatically for focusing.

The major factors of the auto focus system are as follows:

- Detection of master lens position
- Detection of iris position
- Detection of zoom lens reference position

These detection data are stored in the E²PROM.

Therefore (3) auto focus adjustment should be performed in the following cases.

- When the lens is replaced
- When the CCD is replaced
- When the E²PROM is replaced
- When the CCD circuit board and CAMHEAD circuit board are replaced

1) How to enter the auto focus adjustment mode

Set the data value at address "13FE" to " ▯▯ 01".

⇩

The screen will be white-faded temporarily and the auto focus adjustment mode will be established.

* When the auto focus adjustment mode is established, make adjustment according to "(5) Camera adjusting procedure".
* In the auto focus adjustment mode, lens operation cannot be performed.

2) How to enter the normal mode

Set the data value at address "13FE" to " ▯▯ FF".

⇩

The screen will be white-faded temporarily and the normal mode will be established.

⇩

Pressing the "CONTINUE" key will make the display "CAM ADJ" disappear and make it possible to perform normal operation.

(4) Camera signal system adjustment mode

In the camera signal system adjustment mode, the auto white balance function is stopped in order to adjust the camera. In this mode, the white balance is set to the indoor mode and focussing is performed manually.

1) How to enter the camera signal system adjustment mode

Set the data value at address "0000" to "□□ 00".

⇩

The camera signal system adjustment mode will be established.

*When the camera signal system adjustment mode is established, make adjustment according to "(5) Camera adjusting procedure".

2) How to enter the normal mode

Set the data value at address "0000" to "□□ FF".

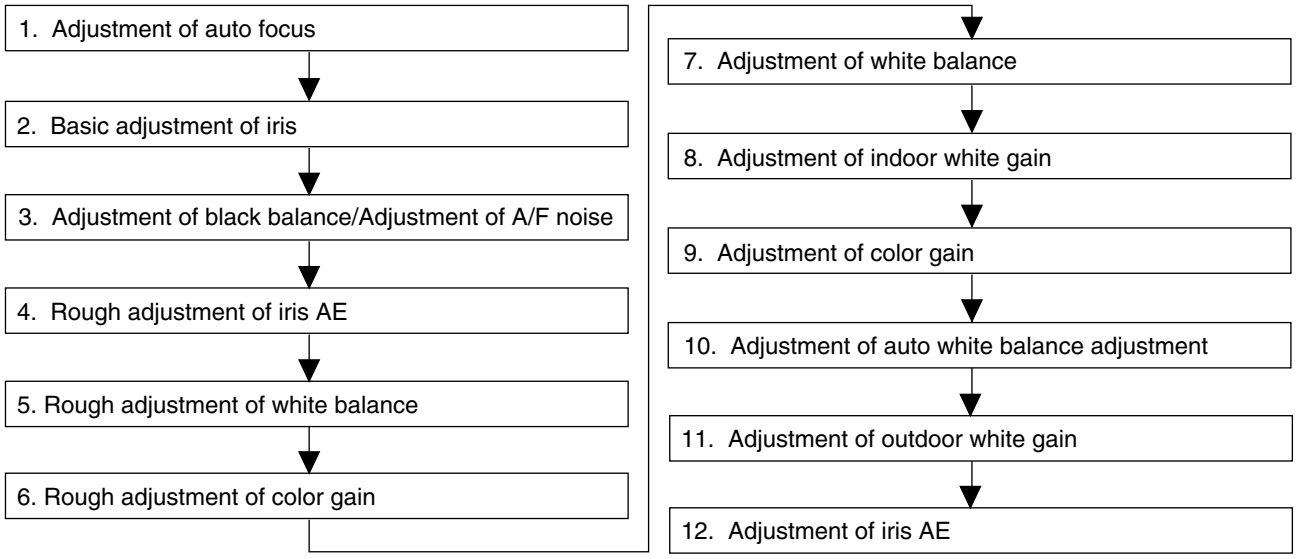
⇩

The normal mode will be established.

⇩

Pressing "CONTINUE" key will make the display "CAM ADJ" disappear and make it possible to perform normal operation.

(5) Camera adjusting procedure


1. Adjustment of auto focus
2. Basic adjustment of iris
3. Adjustment of black balance/Adjustment of A/F noise
4. Rough adjustment of iris AE
5. Rough adjustment of white balance
6. Rough adjustment of color gain
7. Adjustment of white balance
8. Adjustment of indoor white gain
9. Adjustment of color gain
10. Adjustment of auto white balance adjustment
11. Adjustment of outdoor white gain
12. Adjustment of iris AE

* "1. Adjustment of auto focus" is performed in the auto focus adjustment mode. The other adjustments are performed in the camera signal system adjustment mode.

(6) How to replace the gyro unit

1) When replacing the E^2PROM on the main unit with the gyro unit kept unchanged

Because the gyro adjustment data is stored in the E^2PROM, read the data at address "1064" and write it into the new E^2PROM after replacement.

2) When replacing the gyro sensor (RMC1001)

After replacing the gyro sensor with the specified one, write the following data at address "1064".

Ref No.	Part code	Address	Data
RMC1001	Changed to RSNSGA013WJ01Y	1064	01D0

9-2-4. Adjusting procedure

Item	Adjustment method

(1) Adjustment of auto focus

The following adjustments are performed automatically by establishing the auto focus adjustment mode and writing the following data at address "13FD" sequentially. The adjustment items are as shown in the table below. When an adjustment is completed normally, data "FF" is written, which should be confirmed before proceeding to the next adjustment.

Address	Data	Adjustment item
13FD	0012	Adjustment of wide end
	0008	Adjustment of tele end focus ∞ position
	0006	Adjustment of wide end focus ∞ position
	000D	Adjustment of zoom tracking

Note 1: During the adjustment of ∞ position, a subject should be shot actually. Make this adjustment while shooting a subject with a clear-cut outline. In the case of the adjustment of tele end focus ∞ position in particular, if it is performed without shooting a distant subject actually, the ∞ position will not be adjusted properly.
Adjustment of wide end focus ∞ position: 3 m or more
Adjustment of tele end focus ∞ position: 50 m or more

Note 2: In the case of the adjustment of ∞ position, the depth of field is important in insuring accuracy. If the depth of field is deep, the ∞ position may be adjusted improperly the subject hardly falls out of focus. Make this adjustment with the depth of field being shallow (the iris opened).

It is possible to open the iris using the high-speed shutter.

1. Establish the normal mode.
2. Call the V-V adjust sports mode in normal operation. (Refer to the instruction manual.)
3. Display "CAM ADJ" by using the remote control for servicing.
4. Establish the auto focus adjustment mode.
5. Perform the adjustment of ∞ position.
6. After the completion of the adjustment of ∞ position, set the V-V adjust back to the off position.

After canceling the auto focus adjustment mode (to write the data "□□FF" in the address "13FE"), set to the adjustment mode while in the camera signal system adjustment mode (to write the data "□□00" in the address "0000").

(2) Basic adjustment of iris

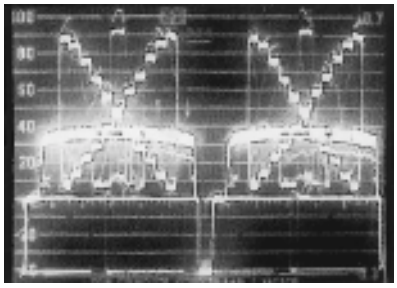
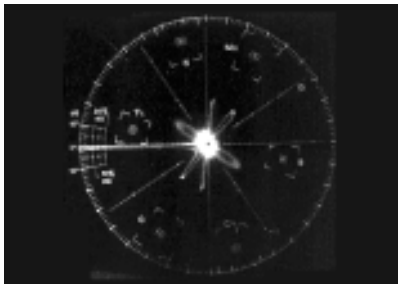
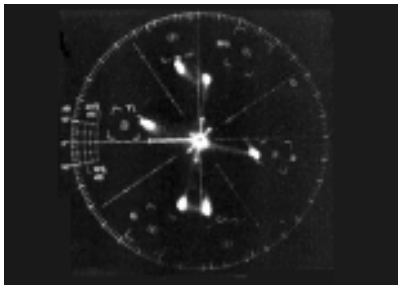
It is performed to adjust the operating point of the hall element installed in the iris meter.
The following adjustments are performed automatically by writing the following data at address "13FD" sequentially in the camera signal system adjustment mode. The adjustment items are as shown in the table below. When an adjustment is completed normally, data "00FF" is written automatically.

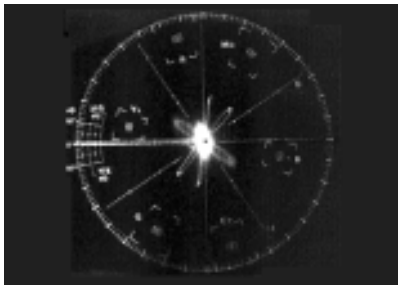
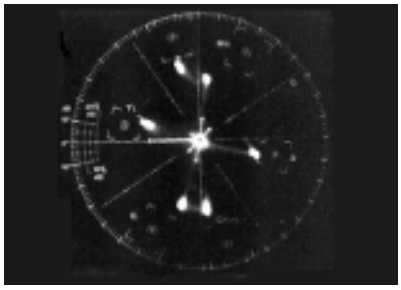
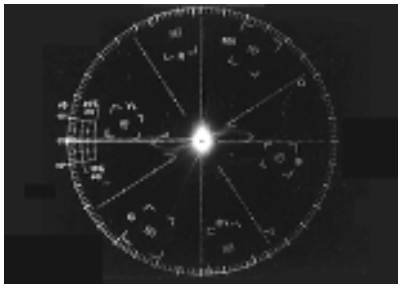
Address	Data	Adjustment item
13FD	0009	Adjustment of hall offset
	000A	Adjustment of iris offset
	000B	Adjustment of iris close

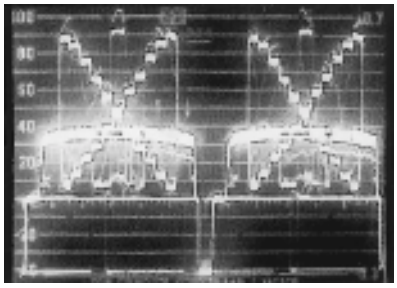
(3) Adjustment of black balance/Adjustment of A/F noise

This adjustment is performed automatically by writing data "□□01" at address "0001". When the adjustment is completed normally, data "00FF" is written automatically.

Address	Data	Adjustment item
0001	□□01	Black balance / A/F noise in the tape mode
	□□08	Black balance in the card mode

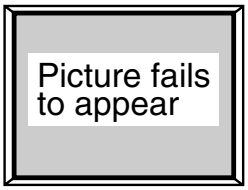
Item	Adjustment method
(4) Rough adjustment of iris AE • Measurement terminal: S terminal luminance signal output (75 Ω termination) • Address: "0002" AE_CVT • Measuring instrument: Oscilloscope (horizontal cycle) • Object: Grey scale • Data changing range: "0000" to "00FE"	1) While shooting the gray scale normally, observe the video output using the oscilloscope. By rewriting the data at address "0002", adjust the white luminance signal level to 680±10mVp-p and the gray luminance signal level (on the gray scale background) to 330±10mVp-p.  100mV/div
(5) Rough adjustment of white balance • Measurement terminal: EE output • Address: "0128" CGAIN_KR_W "012A" CGAIN_KB_W • Measuring instrument: Vector scope • Object: Grey scale • Data changing range: "0000" to "03FF"	1) While shooting the gray scale normally, observe the monitoring screen of the vector scope. By rewriting the data at addresses "0128" and "012A", position the luminescent spot so that the following burst ratio is obtained. R-Y 0 ± 5% B-Y 0 ± 5% 
(6) Rough adjustment of color gain • Measurement terminal: EE output • Address: "013A" CGIN RYG "013C" CGIN BYG "0138" CMAT RYG "0136" CMAT BYG "07DE" Yellow amplitude "07DD" Yellow phase • Measuring instrument: Vector scope • Object: Color bar chart • Data changing range: "0000" to "00FF"	1) Shoot the color bar chart and adjust the field angle so that the white level becomes 600mV. While observing the monitoring screen of the vector scope, rewrite the data at addresses "013A", "013C", "0138", "0136", "07DE" and "07DD" so that the red, blue and yellow luminescent spots are positioned as shown below. (As for the burst gain, gain setting of the vector scope should be made at the 75% Amplitude point on the B-Y axis.)  Adjustment address Red amplitude 1.75 ± 0.1 time (burst ratio) : "013A" Blue amplitude 1.35 ± 0.1 time (burst ratio) : "013C" Yellow amplitude 1.25 ± 0.1 time (burst ratio) : "07DE" Red phase 106° ± 2° : "0138" Blue phase 358° ± 2° : "0136" Yellow phase 168° ± 2° : "07DD"

<table>
<tr><th>Item</th><th>Adjustment method</th></tr>
<tr><td>(7) Adjustment of white balance
• Measurement terminal:
EE output
• Address:
"0128" INDOOR_W/B R
"012A" INDOOR_W/B R
• Measuring instrument:
Vector scope
• Object:
Grey scale
• Data changing range:
"0000" to "03FF"</td><td>1) Perform the adjustment of white balance repeatedly.
  </td></tr>
<tr><td>(8) Adjustment of indoor white gain
• Measurement terminal:–
• Address: 0001
• Measuring instrument:–
• Object: White pattern
• Data changing range:–</td><td>1) This adjustment is performed automatically by writing data "05" at address "001" in the signal system adjustment mode.
When the adjustment is completed normally, data "FF" is returned to address "001".
If data other than "FF" is returned, the adjustment has not been performed properly.</td></tr>
<tr><td>(9) Adjustment of color gain
• Measurement terminal:
EE output
• Address:
"013A" CGIN RYG
"013C" CGIN BYG
"0138" CMAT RYG
"0136" CMAT BYG
"07DE" Yellow amplitude
"07DD" Yellow phase
• Measuring instrument:
Vector scope
• Object:
Waveform monitor color bar chart
• Data changing range:
"0000" to "00FF"</td><td>1) Perform the color gain adjustment repeatedly.
 
<table><tr><td></td><td></td><td>Adjustment address</td></tr><tr><td>Red amplitude</td><td>1.75 ± 0.05 time (burst ratio)</td><td>: "013A"</td></tr><tr><td>Blue amplitude</td><td>1.35 ± 0.05 time (burst ratio)</td><td>: "013C"</td></tr><tr><td>Yellow amplitude</td><td>1.25 ± 0.05 time (burst ratio)</td><td>: "07DE"</td></tr><tr><td>Red phase</td><td>106° ± 1°</td><td>: "0138"</td></tr><tr><td>Blue phase</td><td>358° ± 2°</td><td>: "0136"</td></tr><tr><td>Yellow phase</td><td>168° ± 2°</td><td>: "07DD"</td></tr></table></td></tr>
<tr><td>(10) Adjustment of auto white balance adjustment
• Measurement terminal:
EE output
• Address:
"000C" OUTDOOR R
"000E" OURDOOR B
• Measuring instrument:
Vector scope
• Object:
Grey scale
• Data changing range:
"0000" to "03FF"</td><td>1) Set the color temperature conversion filter (LB165) on the lens.
2) While shooting the gray scale normally, observe the monitoring screen of the vector scope. By rewriting the data, position the luminescent spot so that the following burst ratio is obtained.
R-Y 0 ± 5% (burst ratio)
B-Y 0 ± 5% (burst ratio)
  </td></tr>
<tr><td>(11) Adjustment of outdoor white gain
• Measurement terminal:–
• Address: 0001
• Measuring instrument:–
• Object: White pattern
• Data changing range:–</td><td>1) Set the color temperature conversion filter (LB165) on the lens.
2) This adjustment is performed automatically by writing data "06" at address "001" in the signal system adjustment mode.
When the adjustment is completed normally, data "FF" is returned to address "001".
If data other than "FF" is returned, the adjustment has not been performed properly.</td></tr>
</table>

Item	Adjustment method
(12) Adjustment of iris AE • Measurement terminal: S terminal luminance signal output (75 Ω termination) • Address: "0002" AE_CVT • Measuring instrument: Oscilloscope (horizontal cycle) • Object: Grey scale • Data changing range: "0000" to "00FE"	1) Establish the normal mode (by writing data " FF" at address "0000". 2) While shooting the gray scale normally, observe the video output using the oscilloscope. Check that the white luminance signal level is 640±10mVp-p and that the gray luminance signal level (on the gray scale background) to 290±10mVp-p.  100mV/div

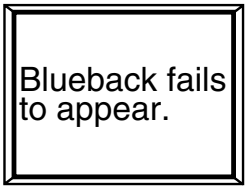
10. USEFUL TIPS (PROBLEMS DIFFER FROM THOSE FOUND ON VHS OR 8MM DECKS BECAUSE THE SIGNALS ARE DIGITALLY PROCESSED.)

Camera (EE mode)



Major circuits to be checked
- CCD
- Camera circuits (CDS/ADC, CAM ENGINE)
- MECHA/SYSTEM MiCON (IC701)
- VIDEO I/O (IC1401)
- VIO ENGINE (IC4401)

VCR (EE mode)

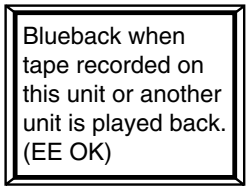


Major circuits to be checked
- MECHA/SYSTEM MiCON (IC701)
- CAM ENGINE (IC201)
- REC/PB ENGINE (IC452)

Camera (REC mode)
VCR (PB mode)

Major circuits to be checked
- CAM ENGINE (IC201)
- REC/PB ENGINE (IC452)

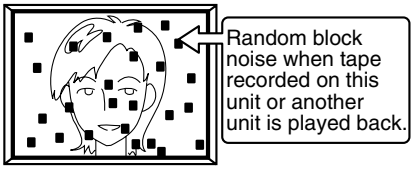
Camera (REC mode)
VCR (PB mode)



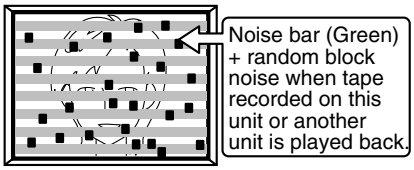
Major circuits to be checked
- EQ/PLL (IC3401)
- Head amplifier (IC301)

* Dirty or defective video head

Camera (REC mode)
VCR (PB mode)



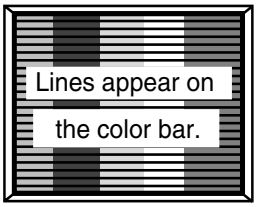
or



Major circuits to be checked
- EQ/PLL (IC3401)
- Head amplifier (IC301)

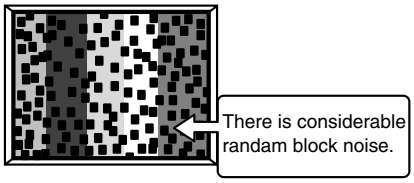
* Dirty or defective video head

VCR (PB mode) + color bar



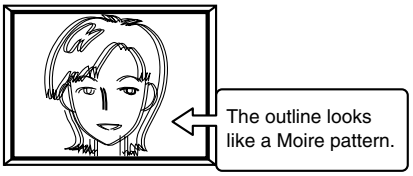
Major circuits to be checked
- CAM ENGINE (IC201)

VCR (PB mode) + color bar



Major circuits to be checked
- Adjustment of the electromagnetic conversion circuit system.

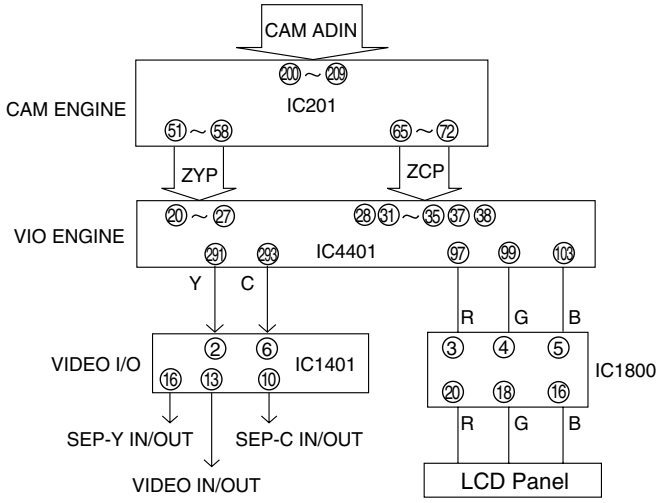
Camera (EE mode)



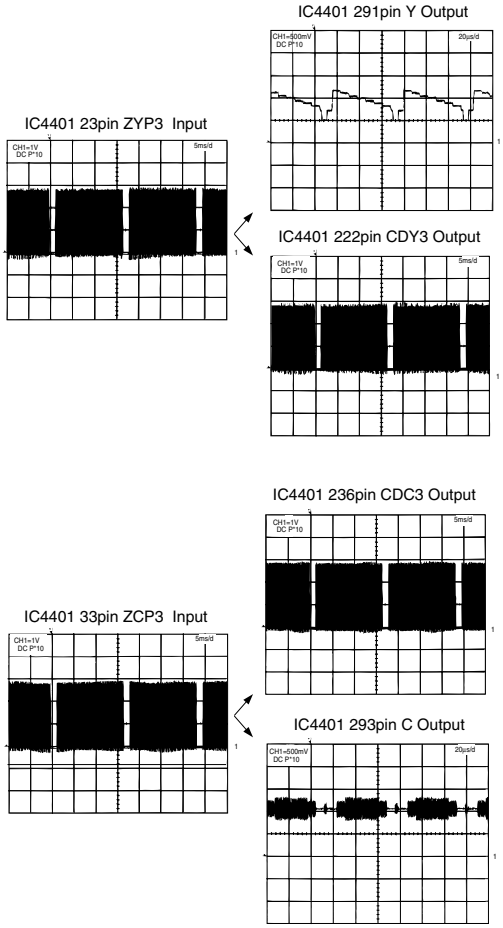
Major circuits to be checked
- Y data between CAM ENGINE (IC201) and VIO ENGINE (IC4401) is missing.

11. SIGNAL FLOW DIAGRAMS

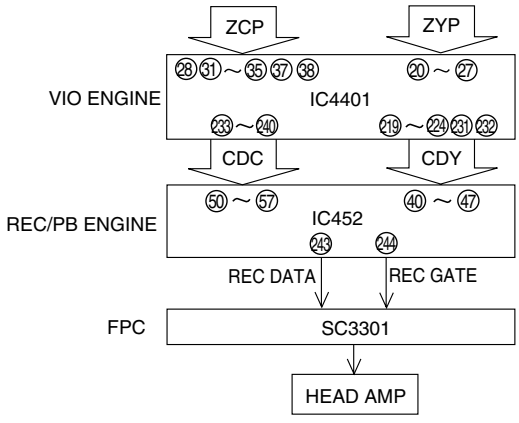
11-1. EE MODE FLOW (VIDEO)



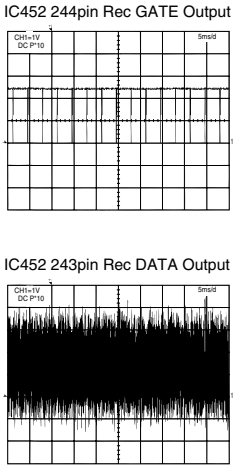
WAVEFORM DIAGRAM (DURING COLOR BAR RECORDING)


IC4401 291pin Y Output
IC4401 23pin ZYP3 Input
IC4401 222pin CDY3 Output
IC4401 236pin CDC3 Output
IC4401 33pin ZCP3 Input
IC4401 293pin C Output

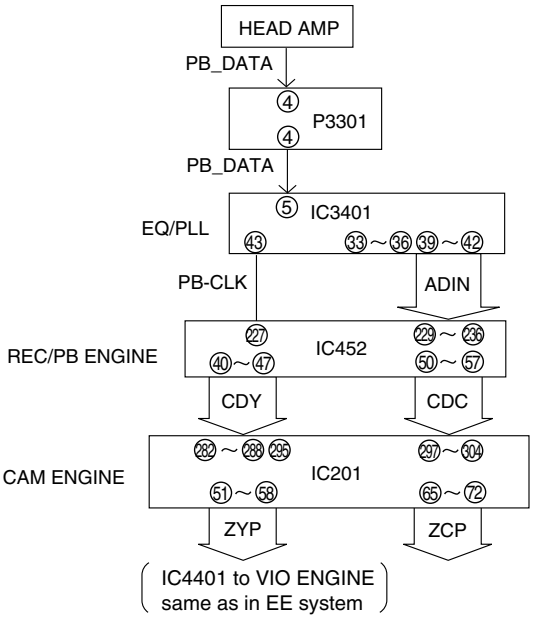
11-2. FLOW IN REC MODE (VIDEO)



WAVEFORM DIAGRAM (DURING COLOR BAR RECORDING)

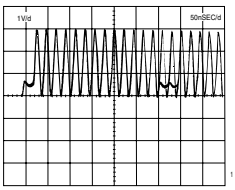


11-3. FLOW IN PB MODE (VIDEO)



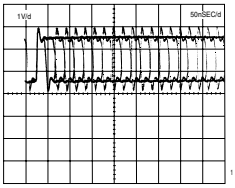
WAVEFORM DIAGRAM (DURING COLOR BAR PLAYBACK)

IC3401 5pin PBDATA Input

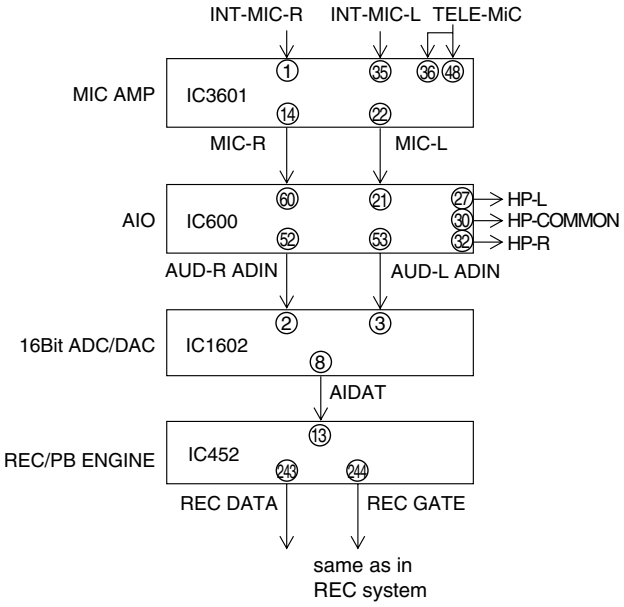


IC3401 43pin Input

IC3401 33~36, 39~42pin Output

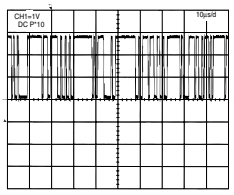


11-4. FLOW IN REC MODE (AUDIO)

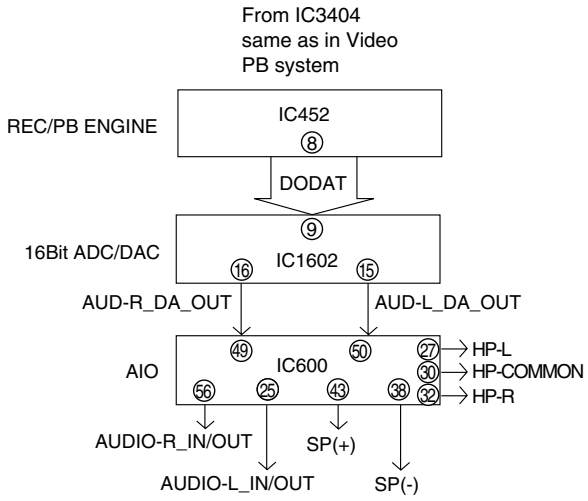


WAVEFORM DIAGRAM (1.6 kHz SINE WAVE)

IC1602 ⑧ Output

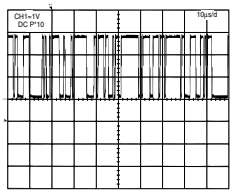


11-5. FLOW IN PB MODE (AUDIO)



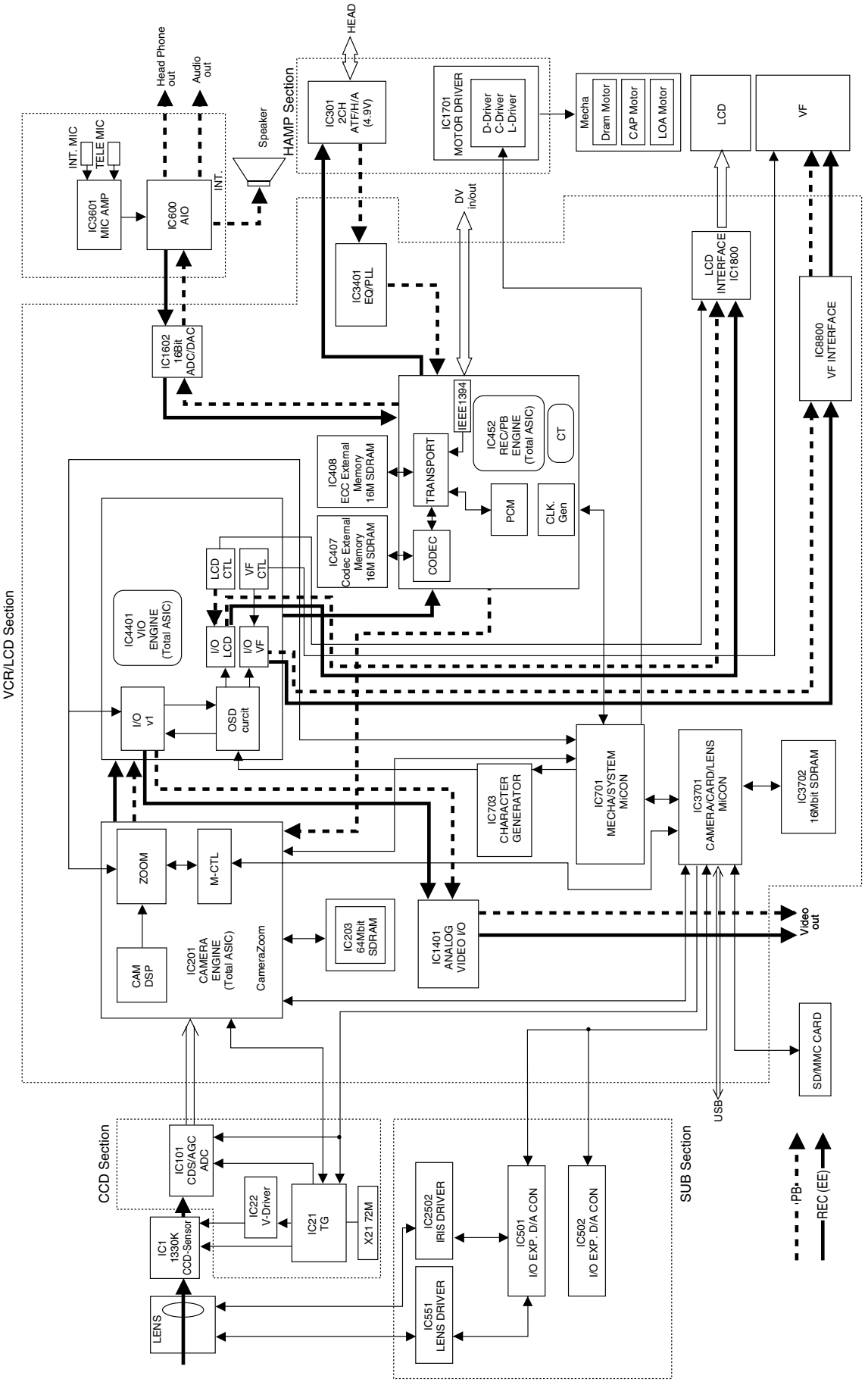
WAVEFORM DIAGRAM (1.6 kHz SINE WAVE)

IC1602 ⑨ DODAT Input

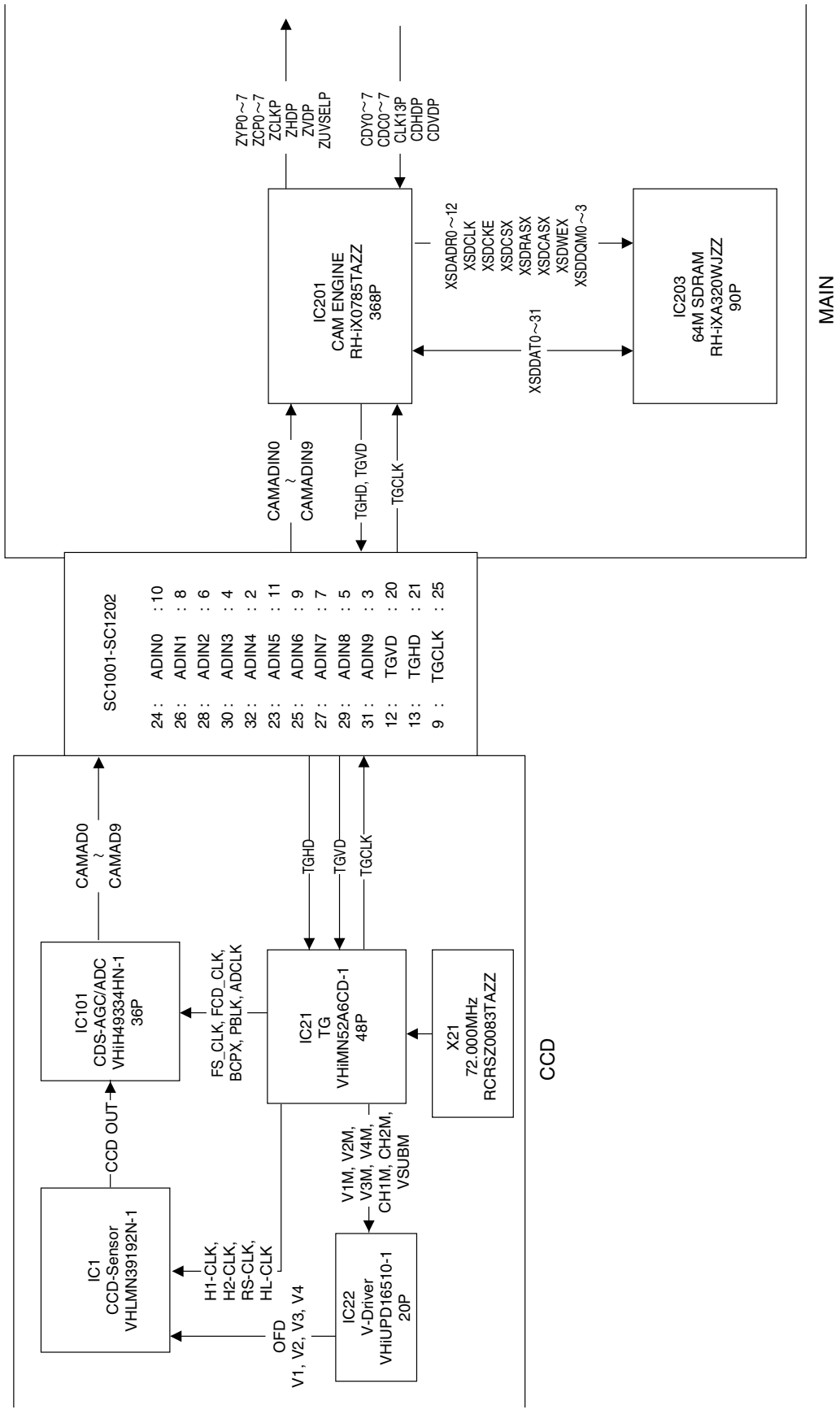


12. BLOCK DIAGRAMS

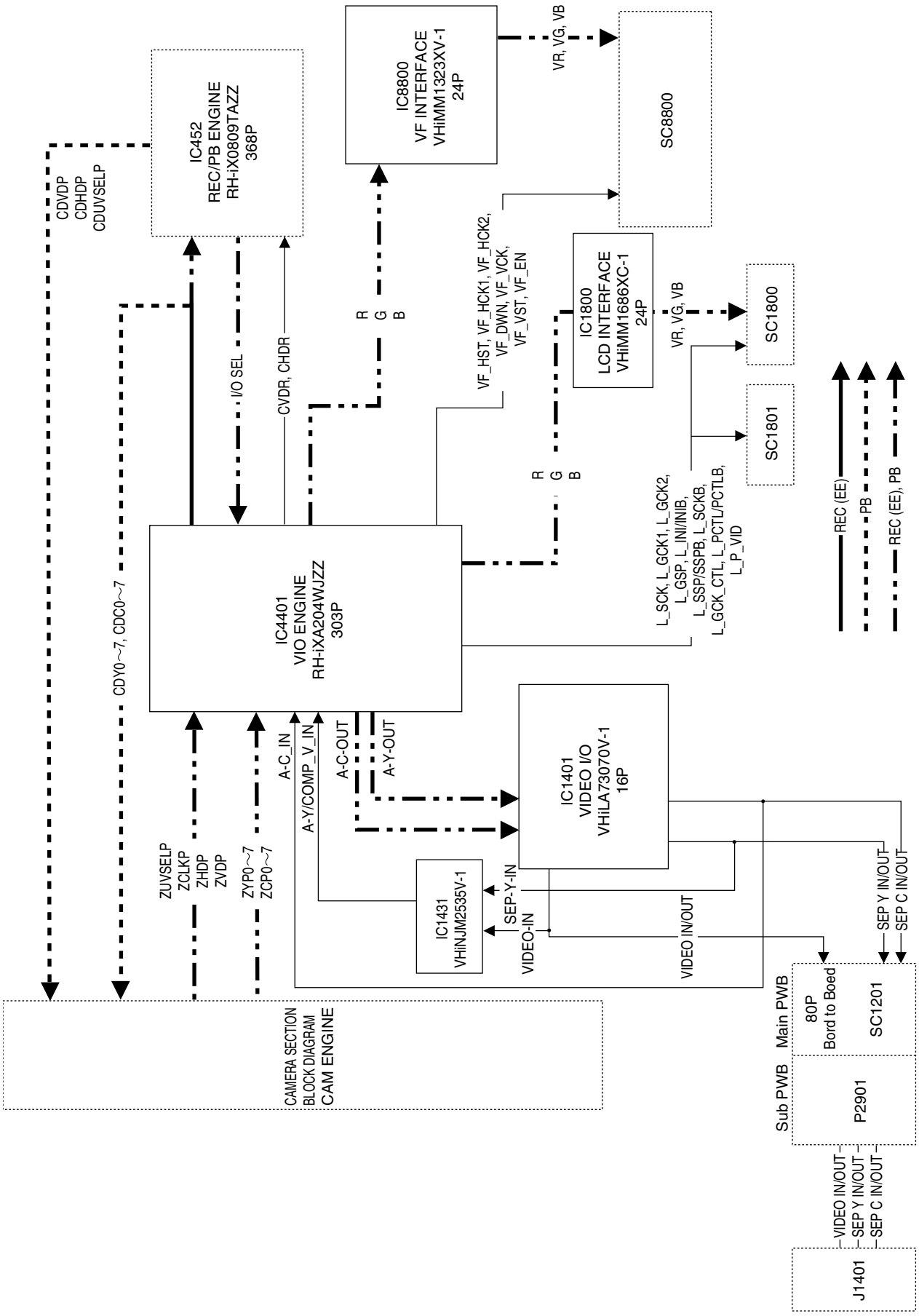
12-1. SYSTEM BLOCK DIAGRAM



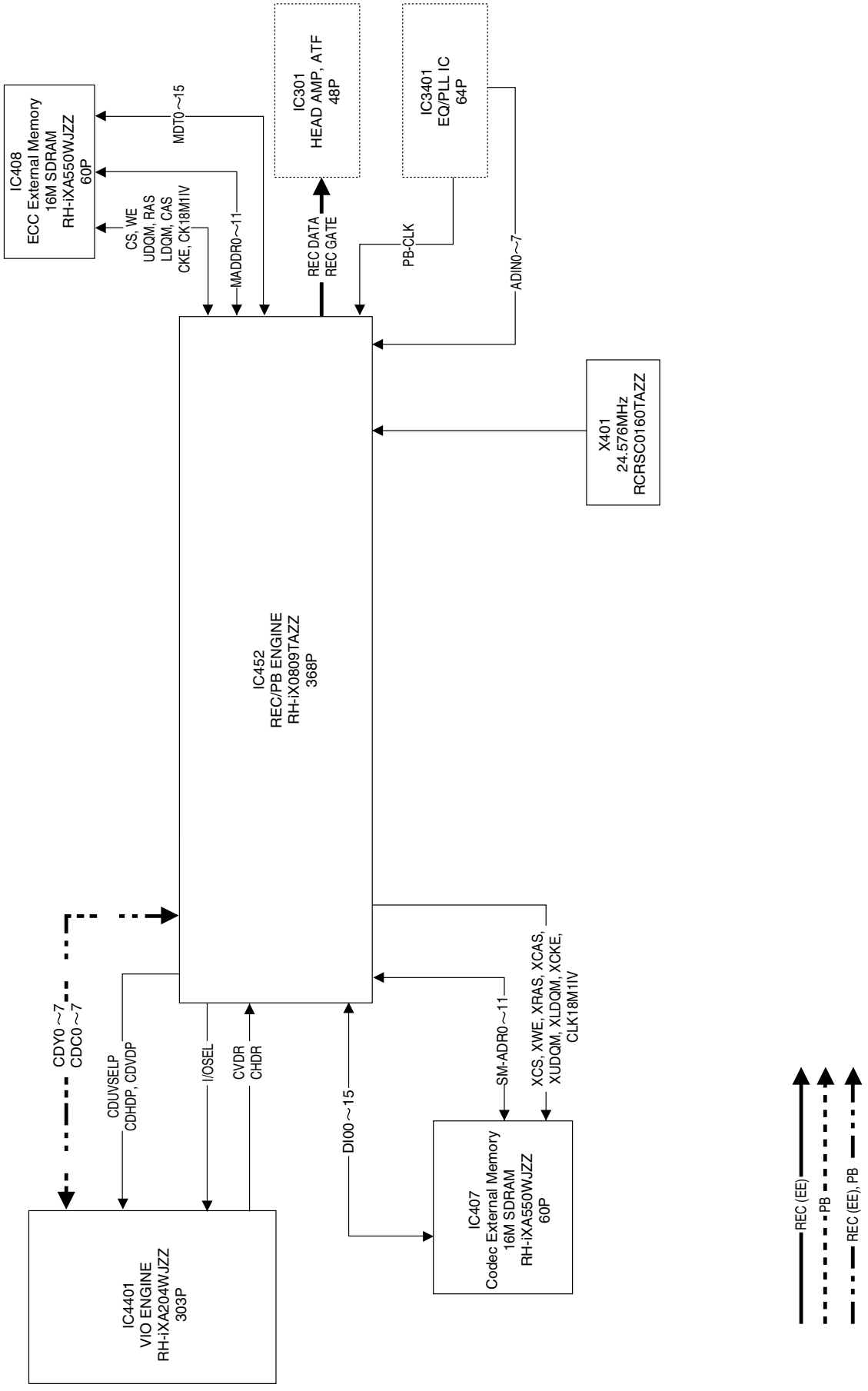
12-2. CAMERA SECTION BLOCK DIAGRAM



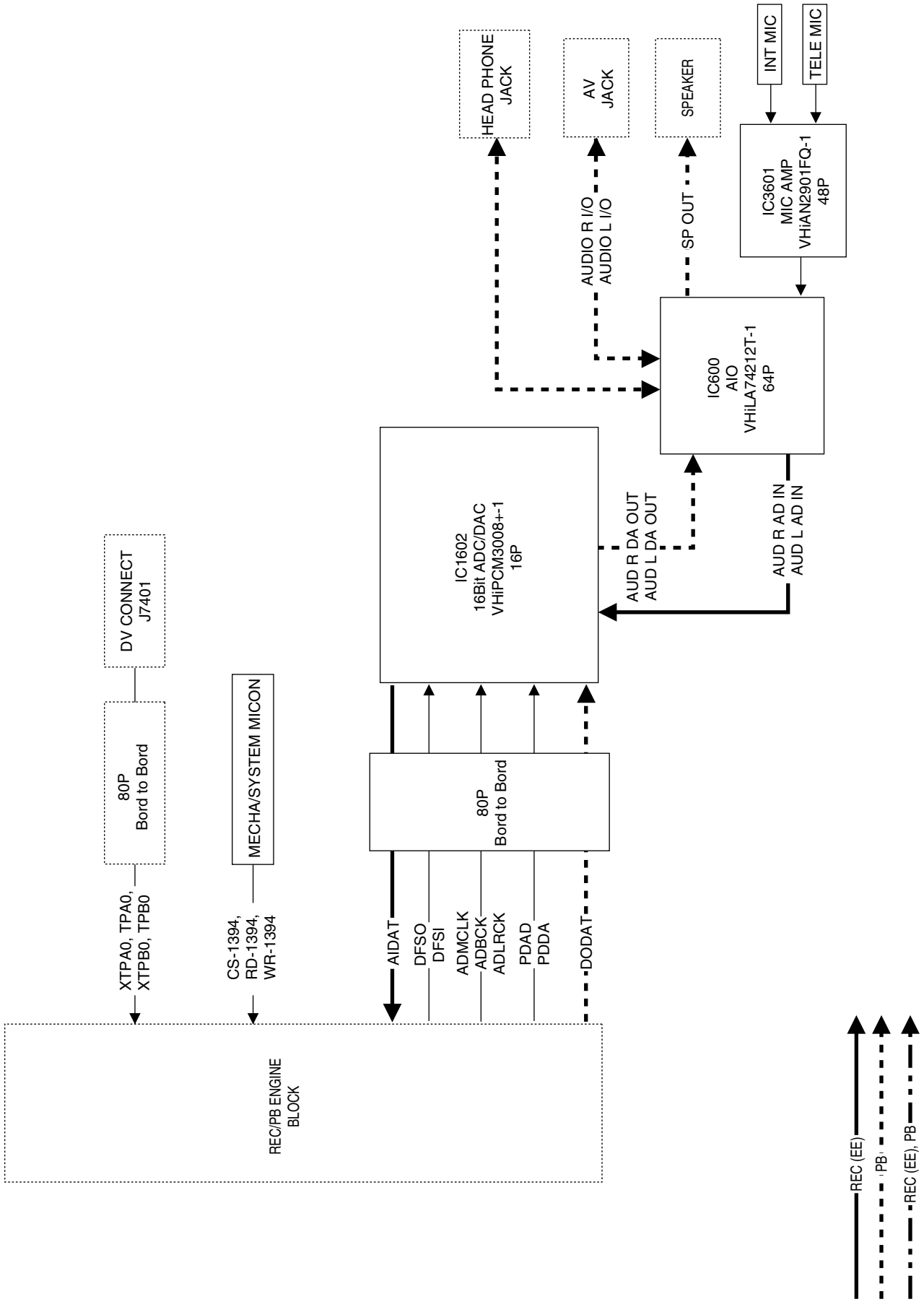
12-3. VIO ENGINE SECTION BLOCK DIAGRAM



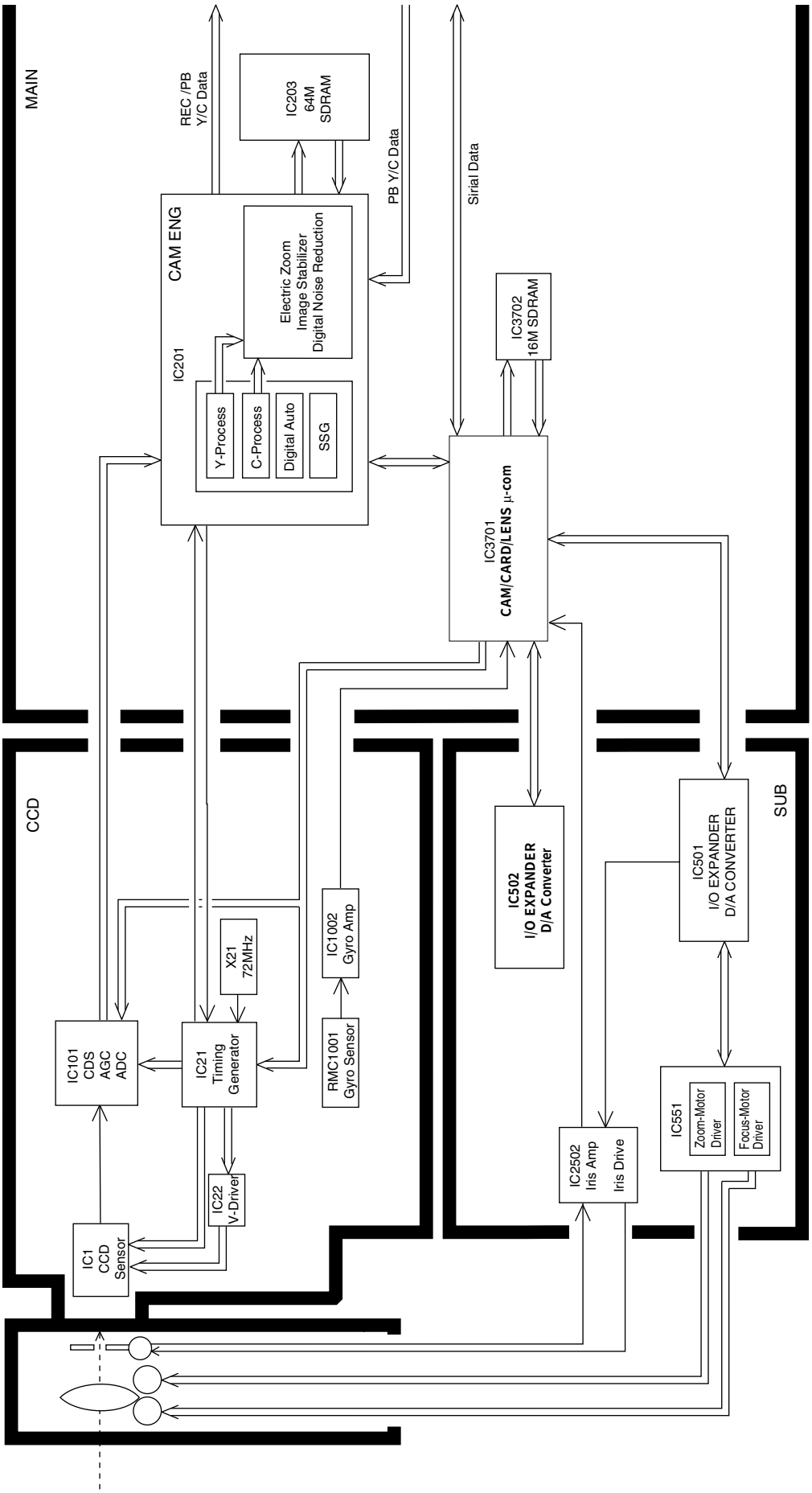
12-4. REC/PB SECTION BLOCK DIAGRAM



12-5. AUDIO/DIGITAL OUTPUT SECTION BLOCK DIAGRAM

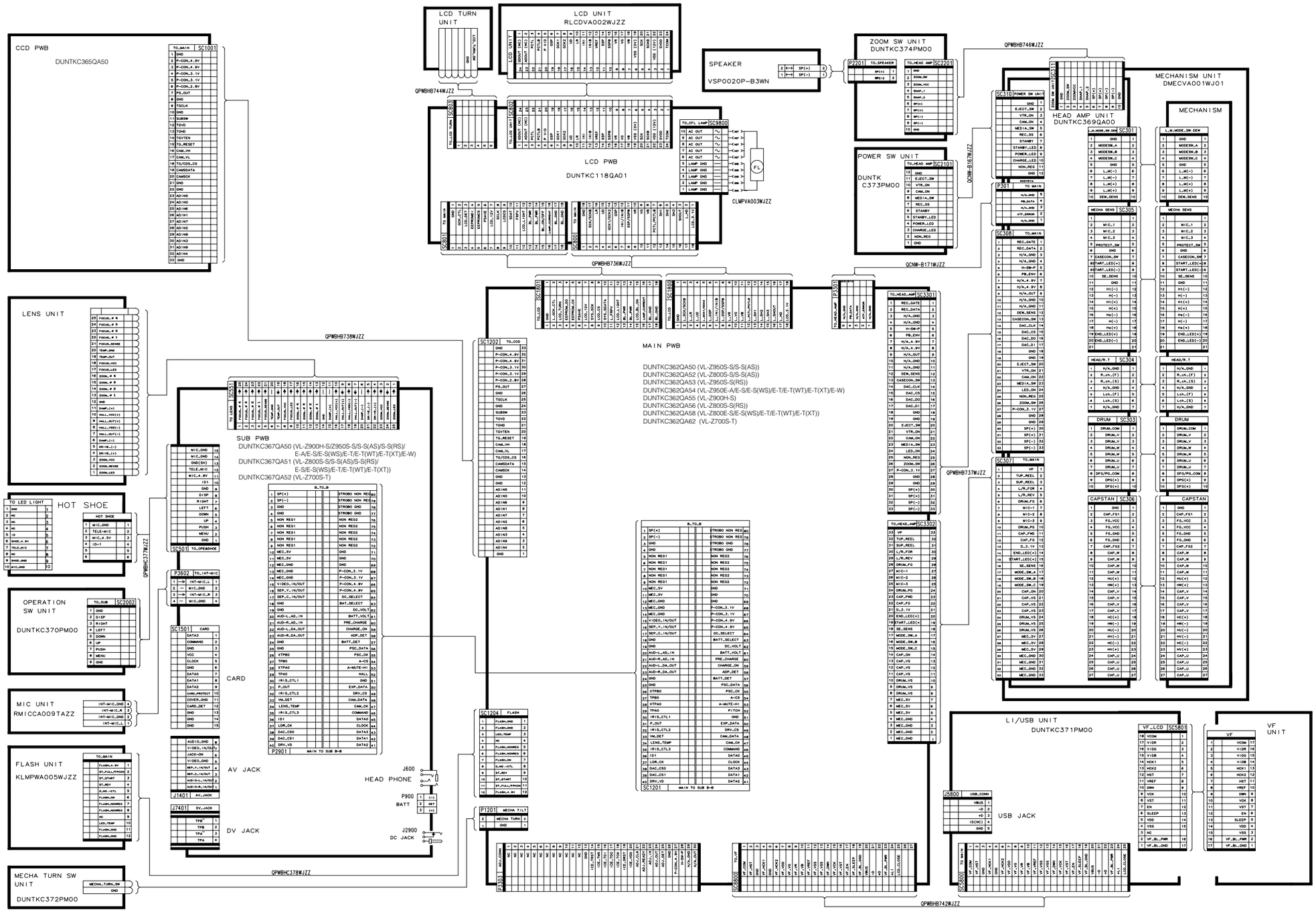


12-6. CAMERA CIRCUIT BLOCK DIAGRAM



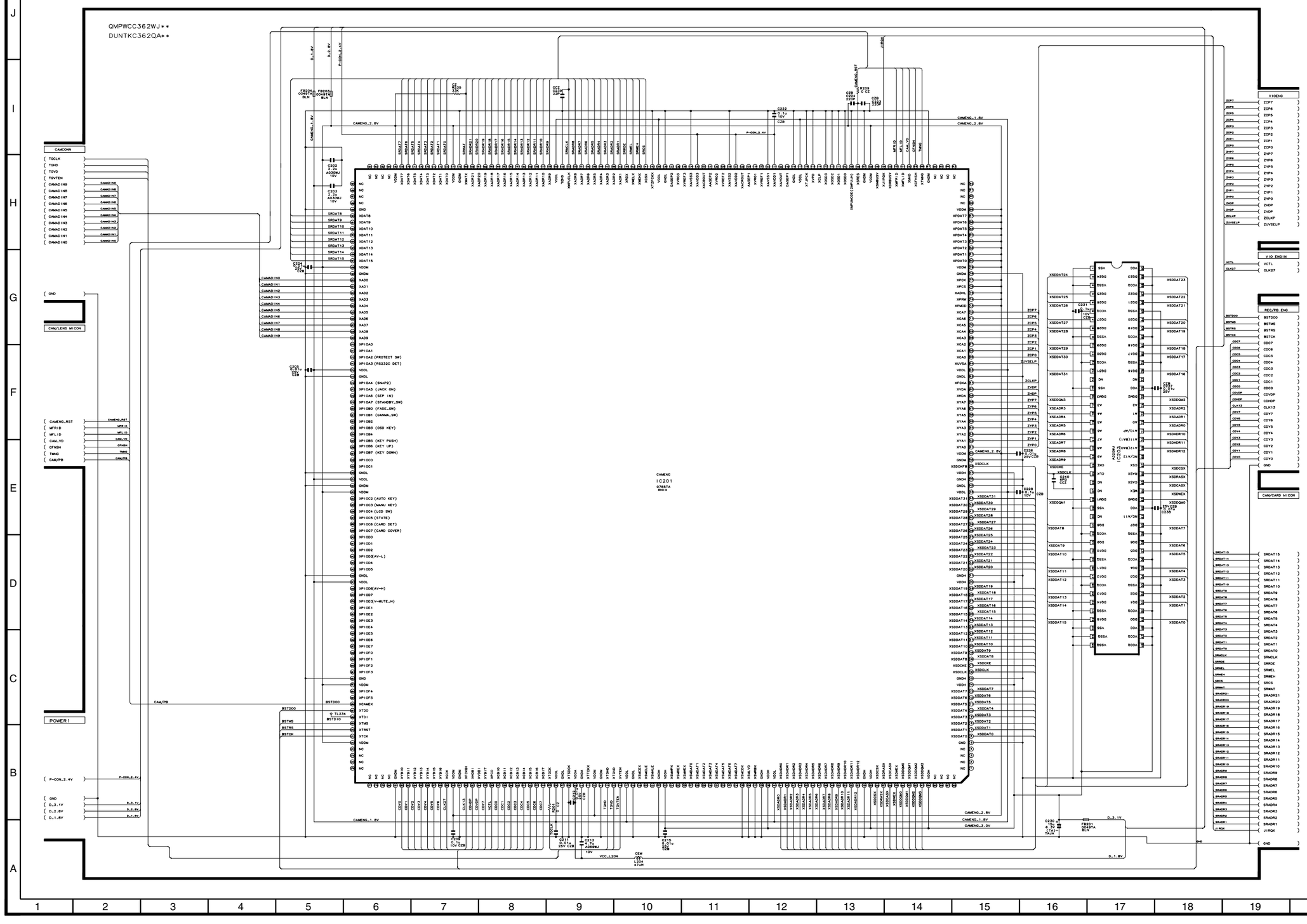
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13. SCHEMATIC DIAGRAMS 13-1. OVERALL SCHEMATIC DIAGRAM



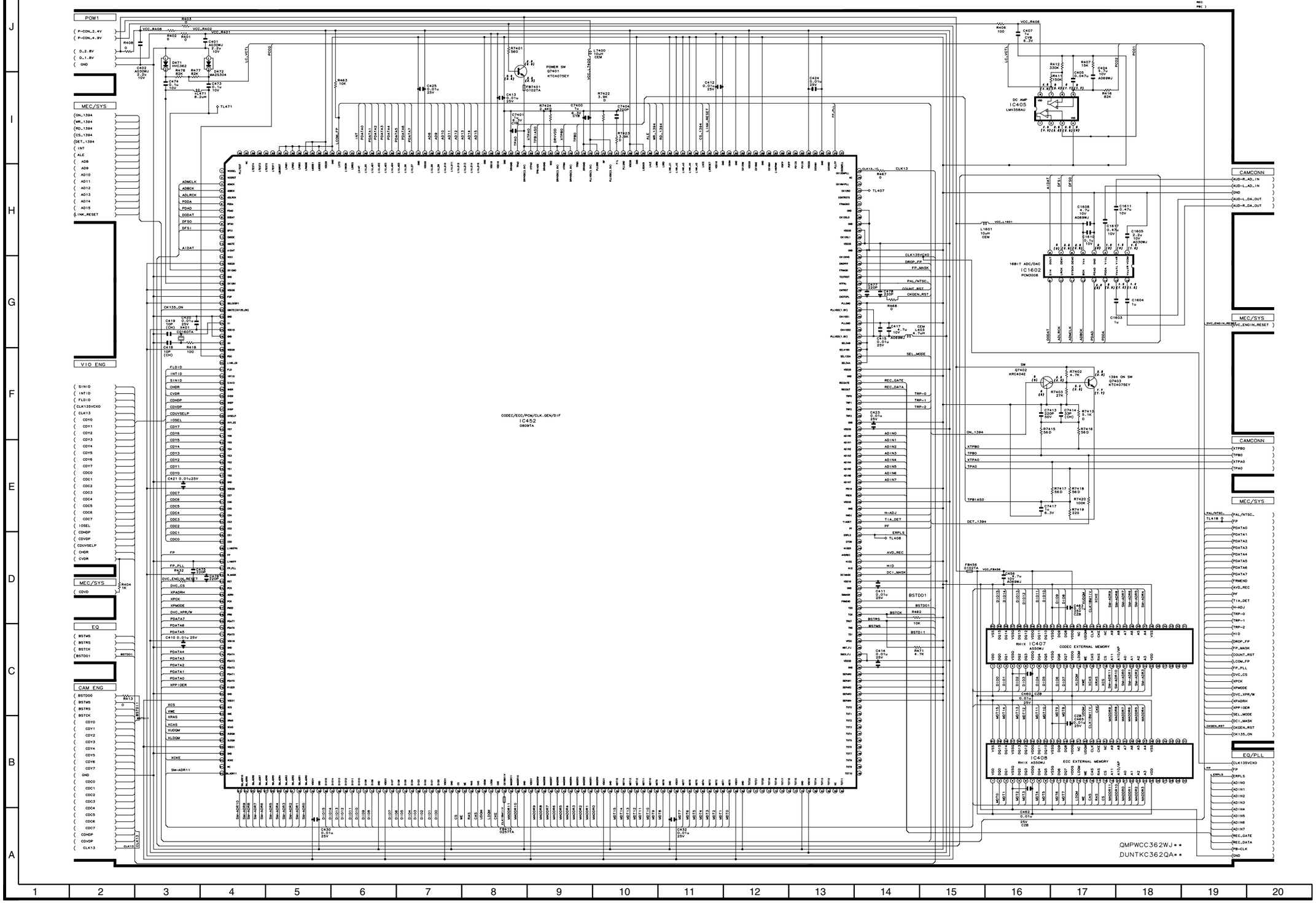
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-2. CAMERA ENGINE SCHEMATIC DIAGRAM



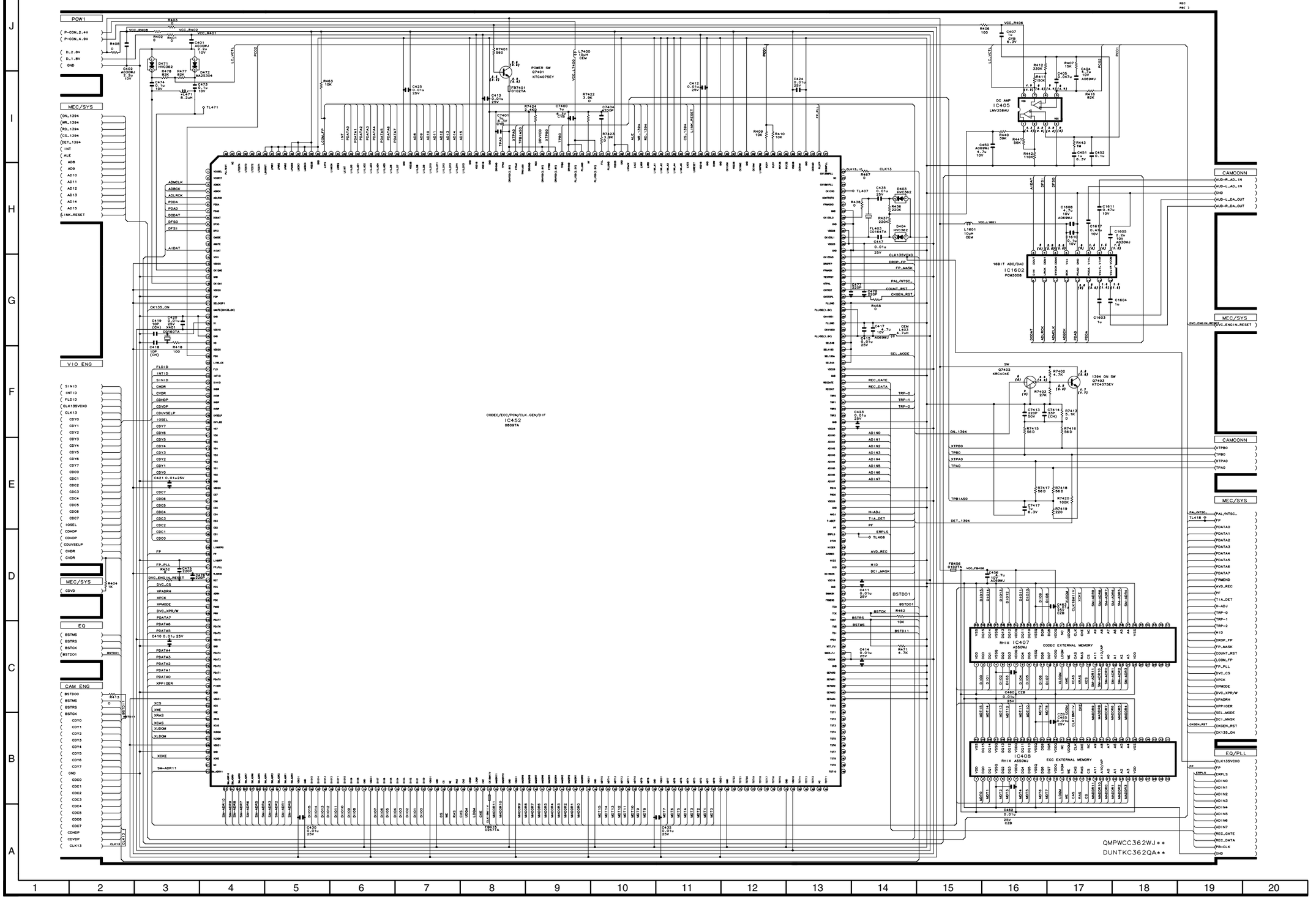
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-3. REC/PB ENGINE SCHEMATIC DIAGRAM (VL-Z700)



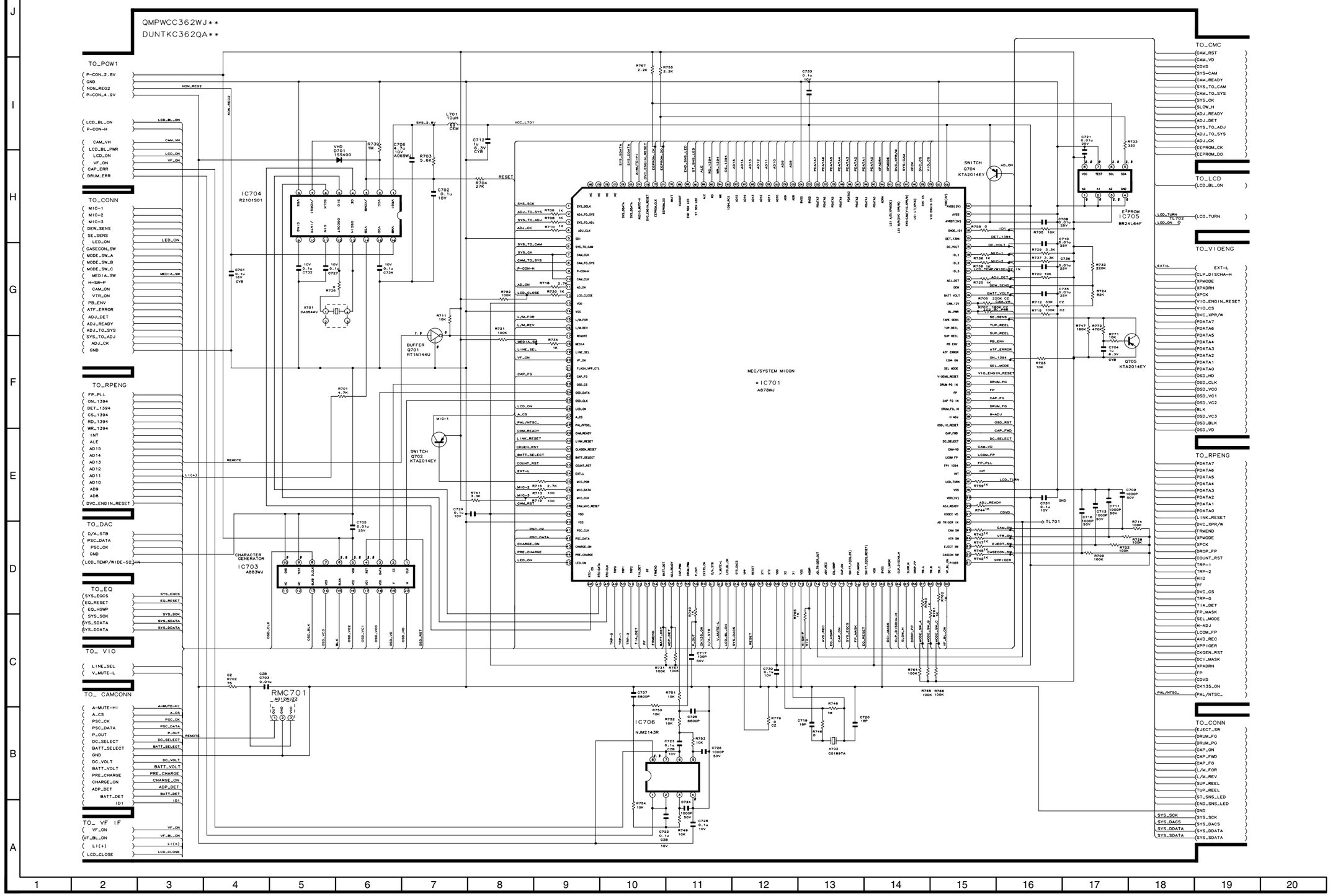
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-3. REC/PB ENGINE SCHEMATIC DIAGRAM



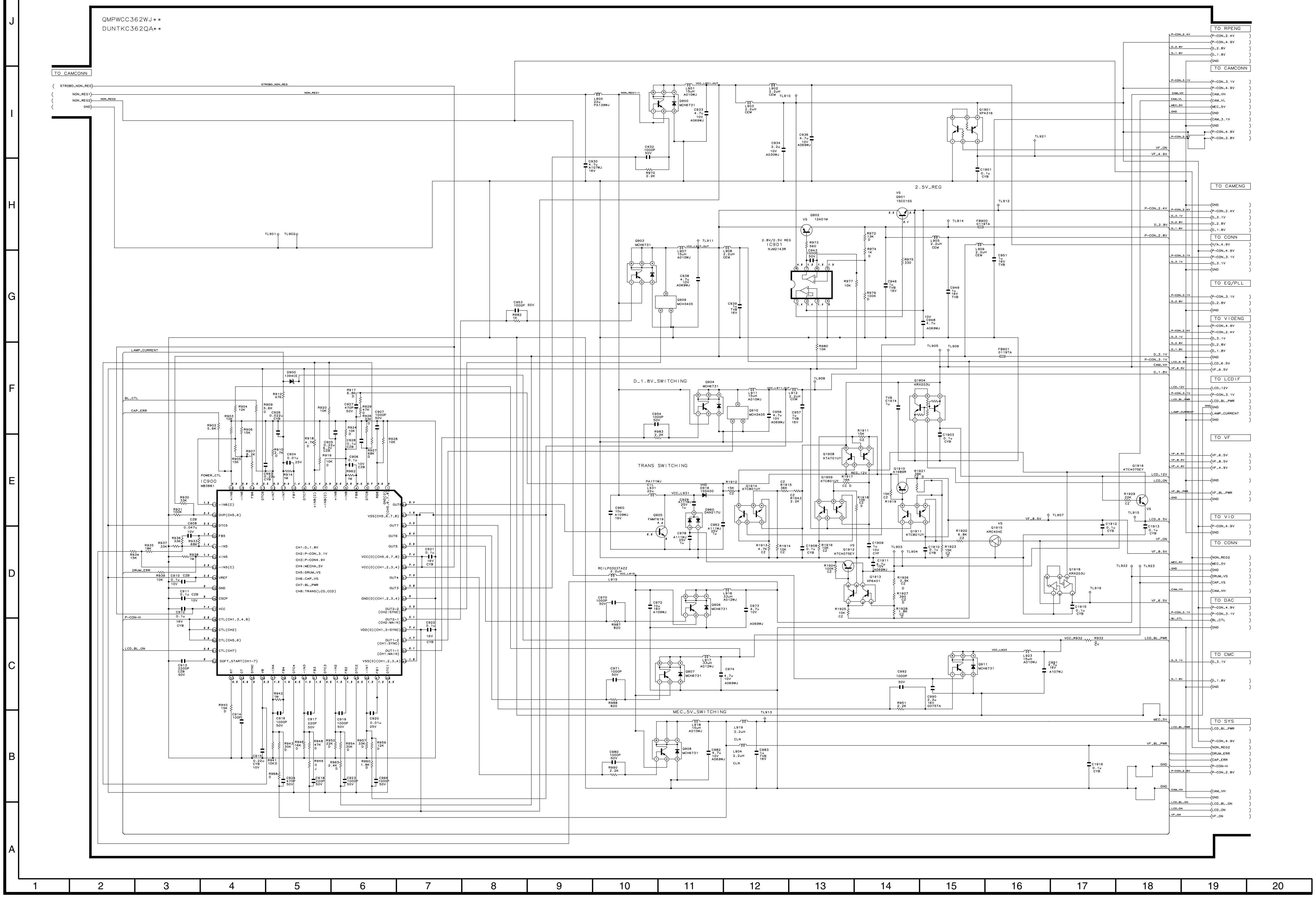
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-4. MEC/SYS MiCON SCHEMATIC DIAGRAM



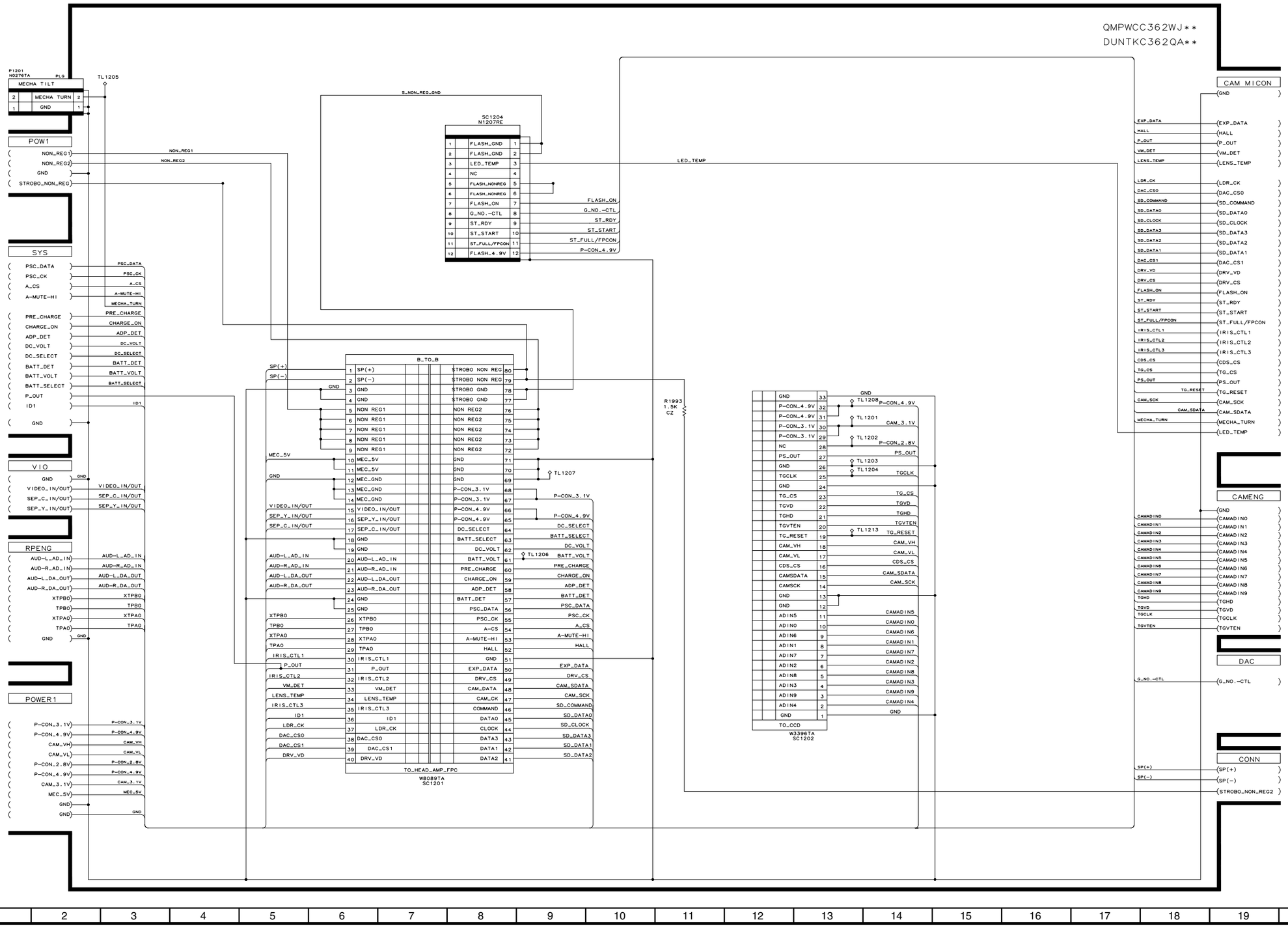
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-5. POWER1 SCHEMATIC DIAGRAM


QMPWCC362WJ**
DUNTKC362QA**
TO CAMCONN
STROBO_NON_REG
NON_REG1
NON_REG2
GND
2.5V_REG
2.8V/2.5V REG
IC901
NJM2143R
D_1.8V_SWITCHING
TRANS SWITCHING
MEC_5V_SWITCHING
POWER_CTL
IC900
MB3881
CH1:D_1.8V
CH2:P-CON_3.1V
CH3:P-CON4.9V
CH4:MECHA_5V
CH5:DRUM_VS
CH6:CAP_VS
CH7:BL_PWR
CH8:TRANS(LCD,CCD)
TO RPENG
TO CAMCONN
TO CAMENG
TO CONN
TO EQ/PLL
TO VIOENG
TO LCDIF
TO VF
TO VIO
TO CONN
TO DAC
TO CMC
TO SYS

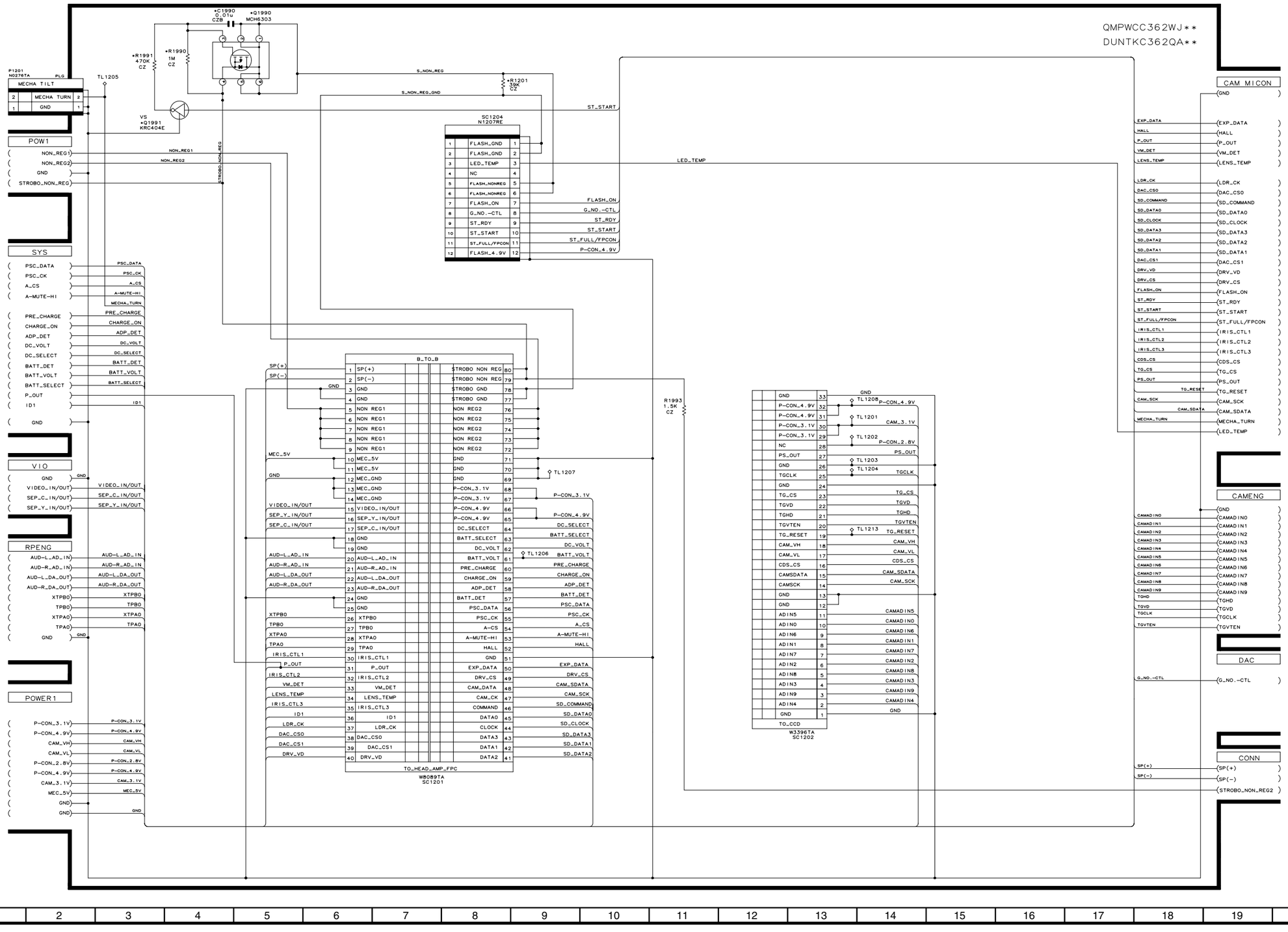
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-6. CAMERA CONN SCHEMATIC DIAGRAM (VL-Z700/Z800)



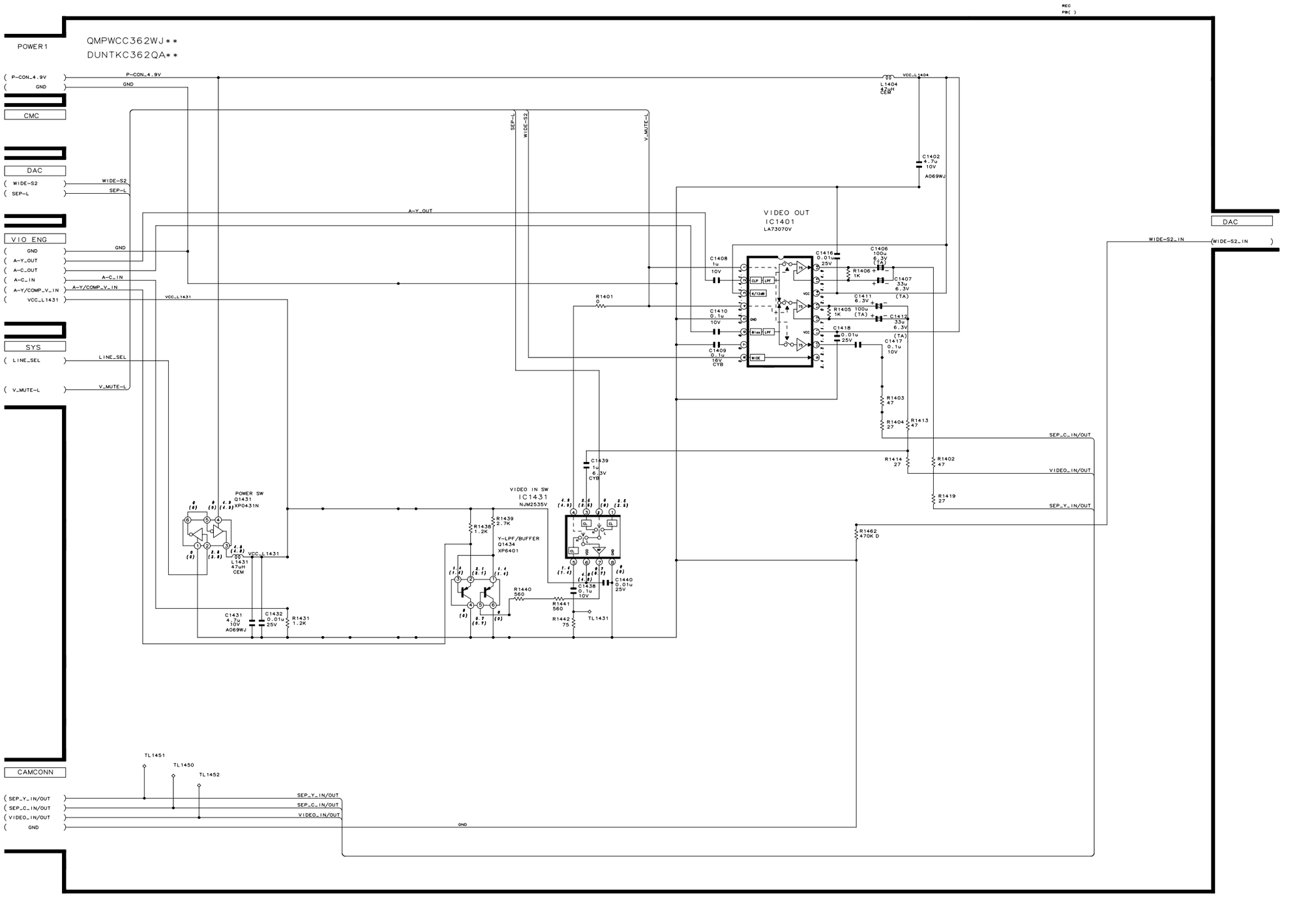
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-6. CAMERA CONN SCHEMATIC DIAGRAM (VL-Z900/Z950)



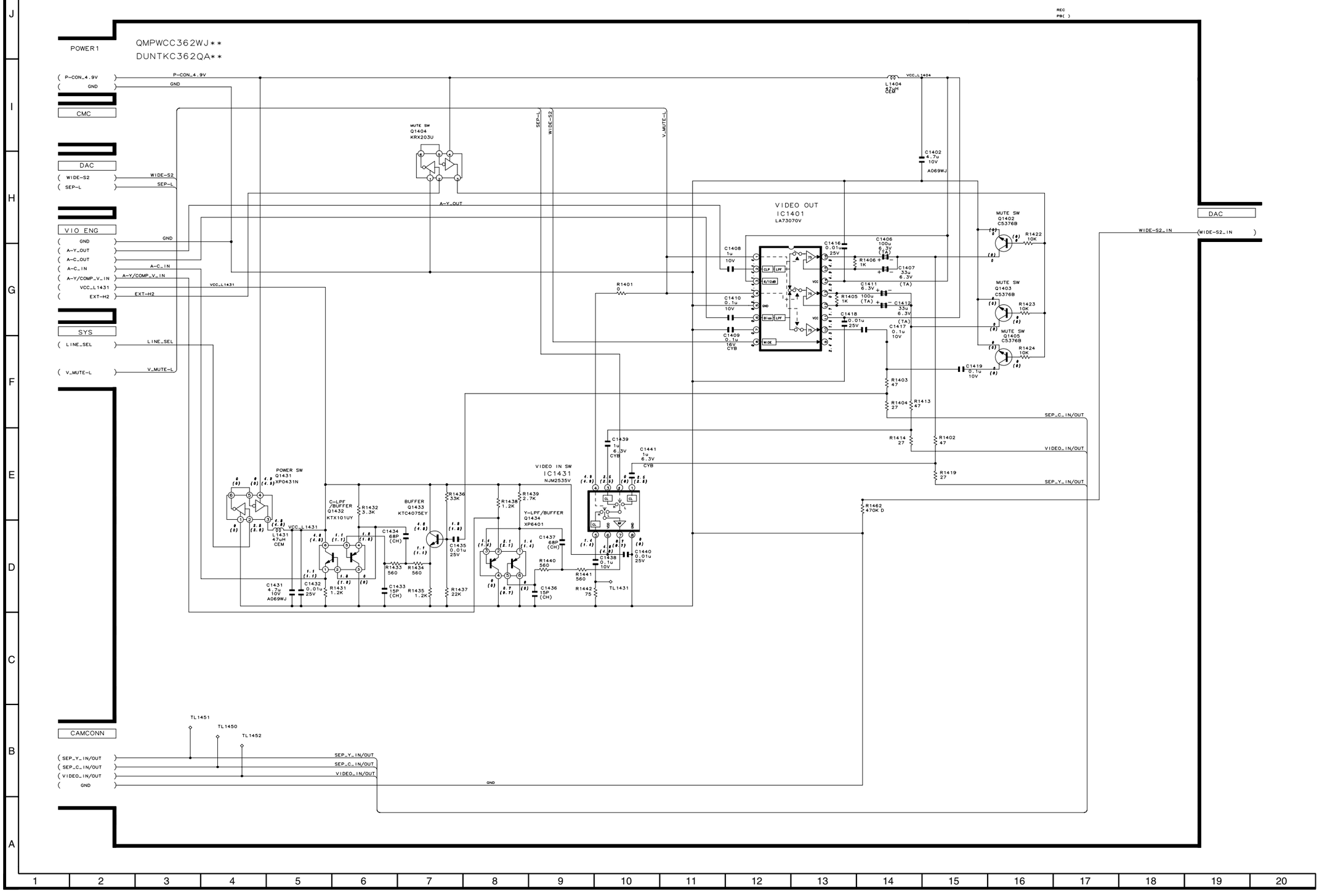
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-7. VIDEO I/O SCHEMATIC DIAGRAM (VL-Z700)



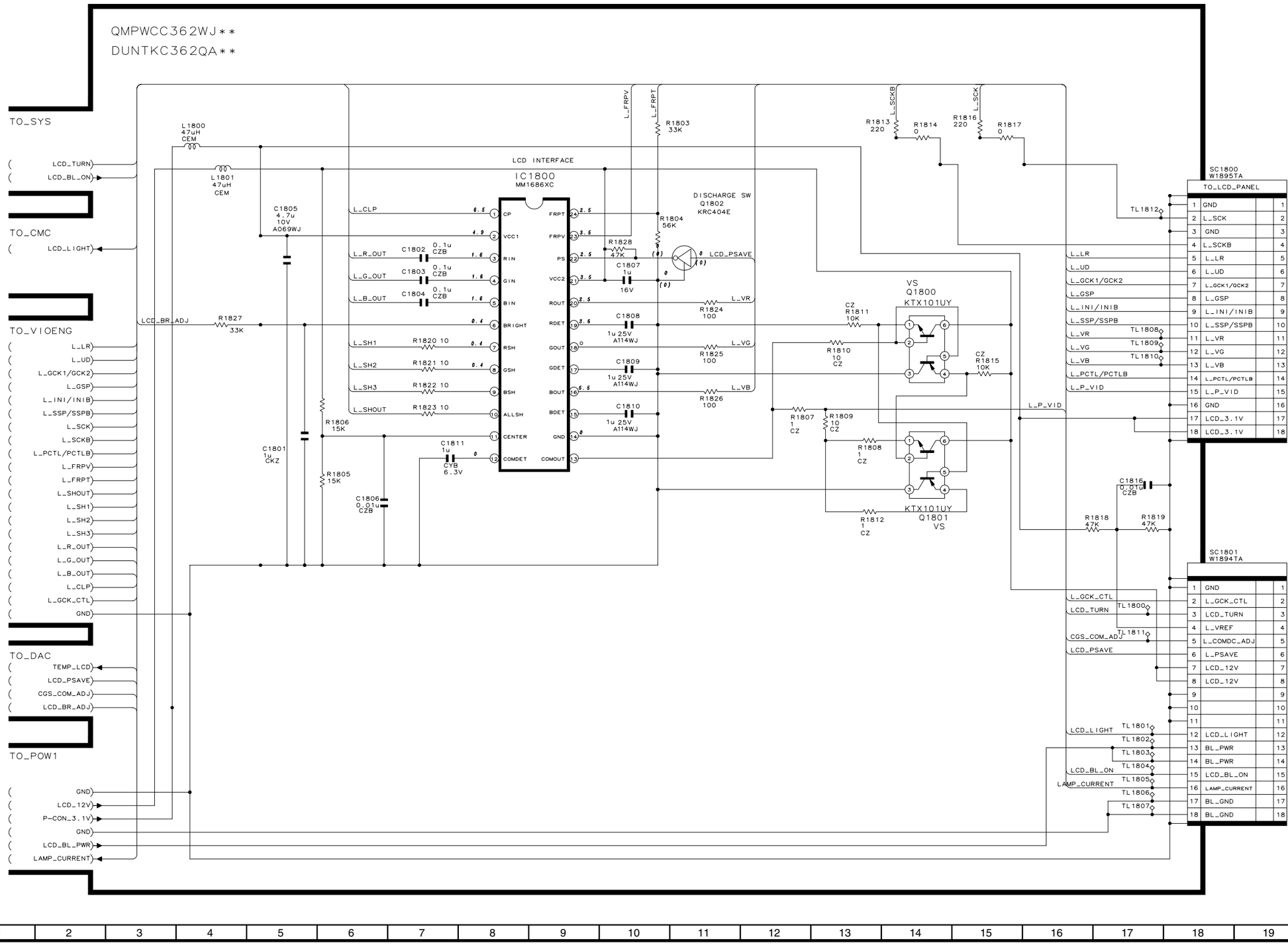
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-7. VIDEO I/O SCHEMATIC DIAGRAM (VL-Z800/Z900/Z950)



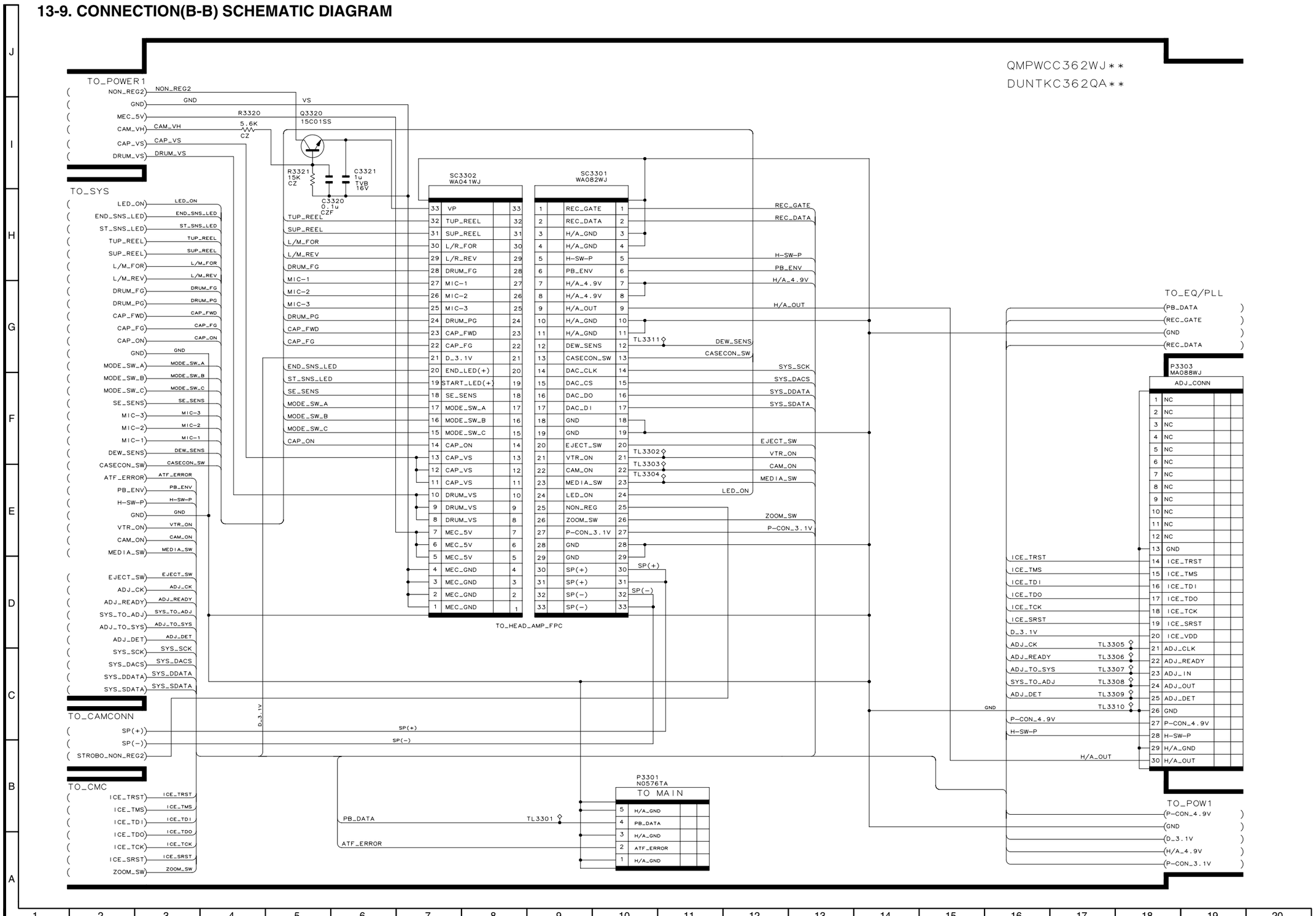
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-8. LCDIF SCHEMATIC DIAGRAM



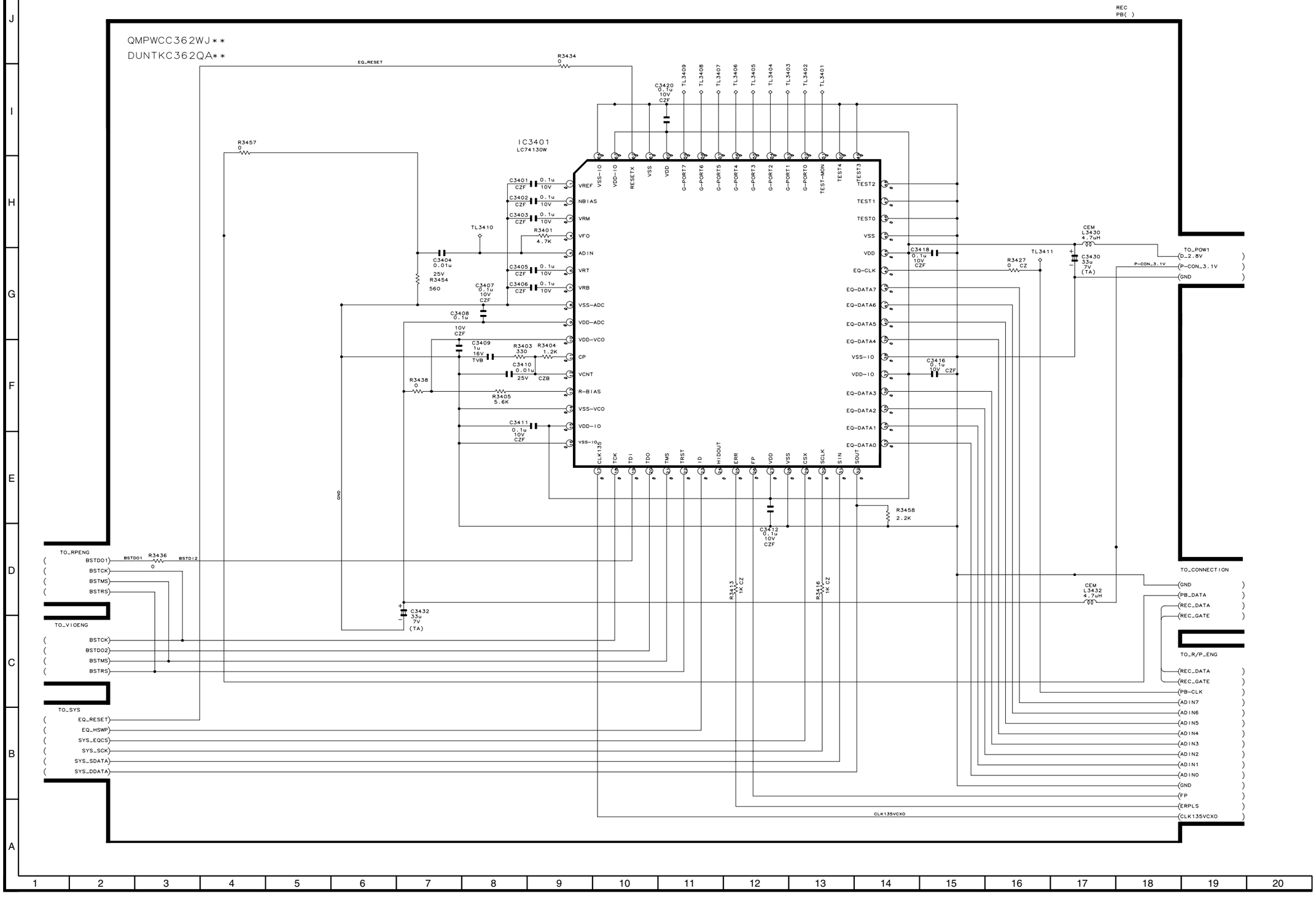
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-9. CONNECTION(B-B) SCHEMATIC DIAGRAM



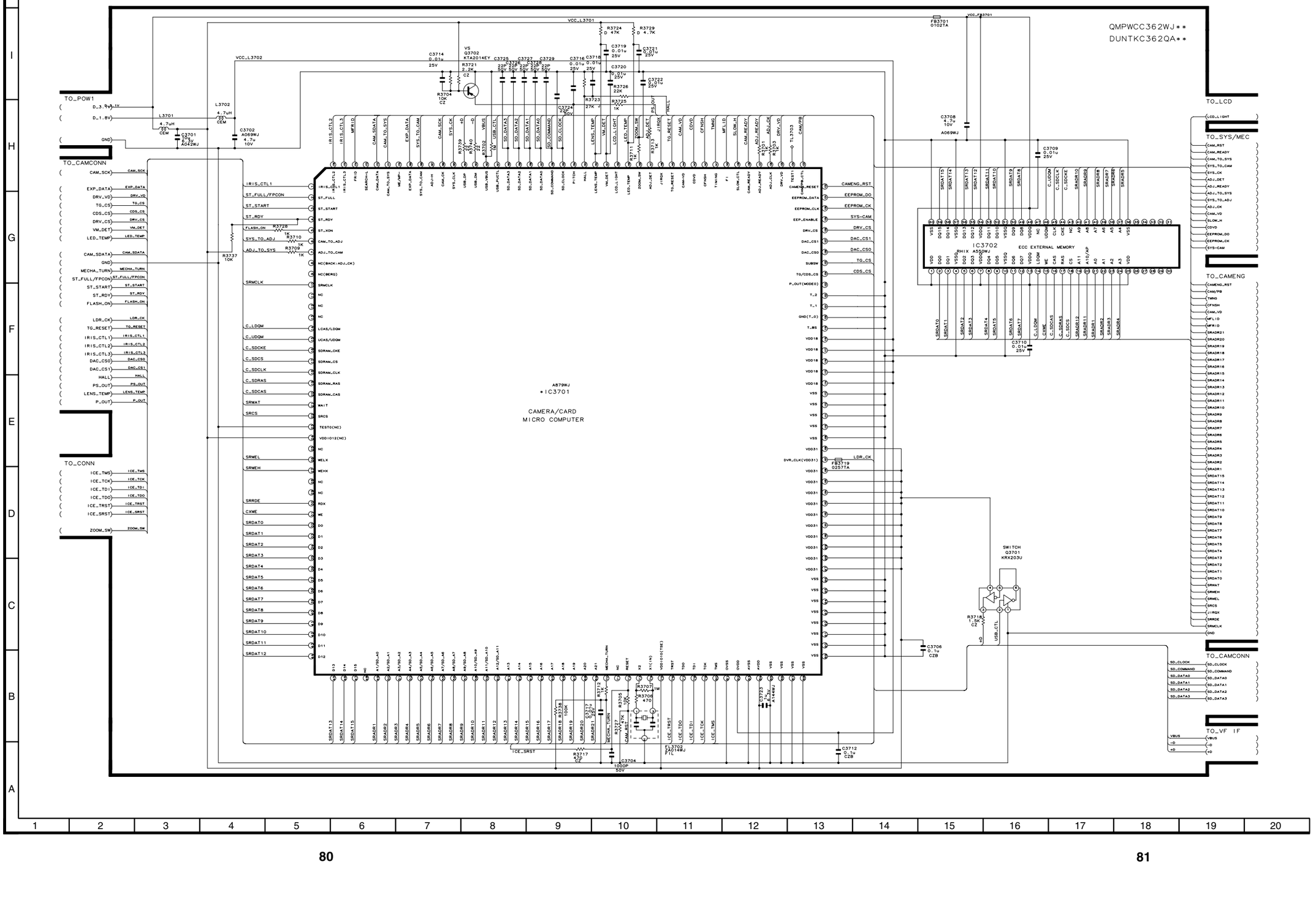
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-10. EQ/PLL SCHEMATIC DIAGRAM



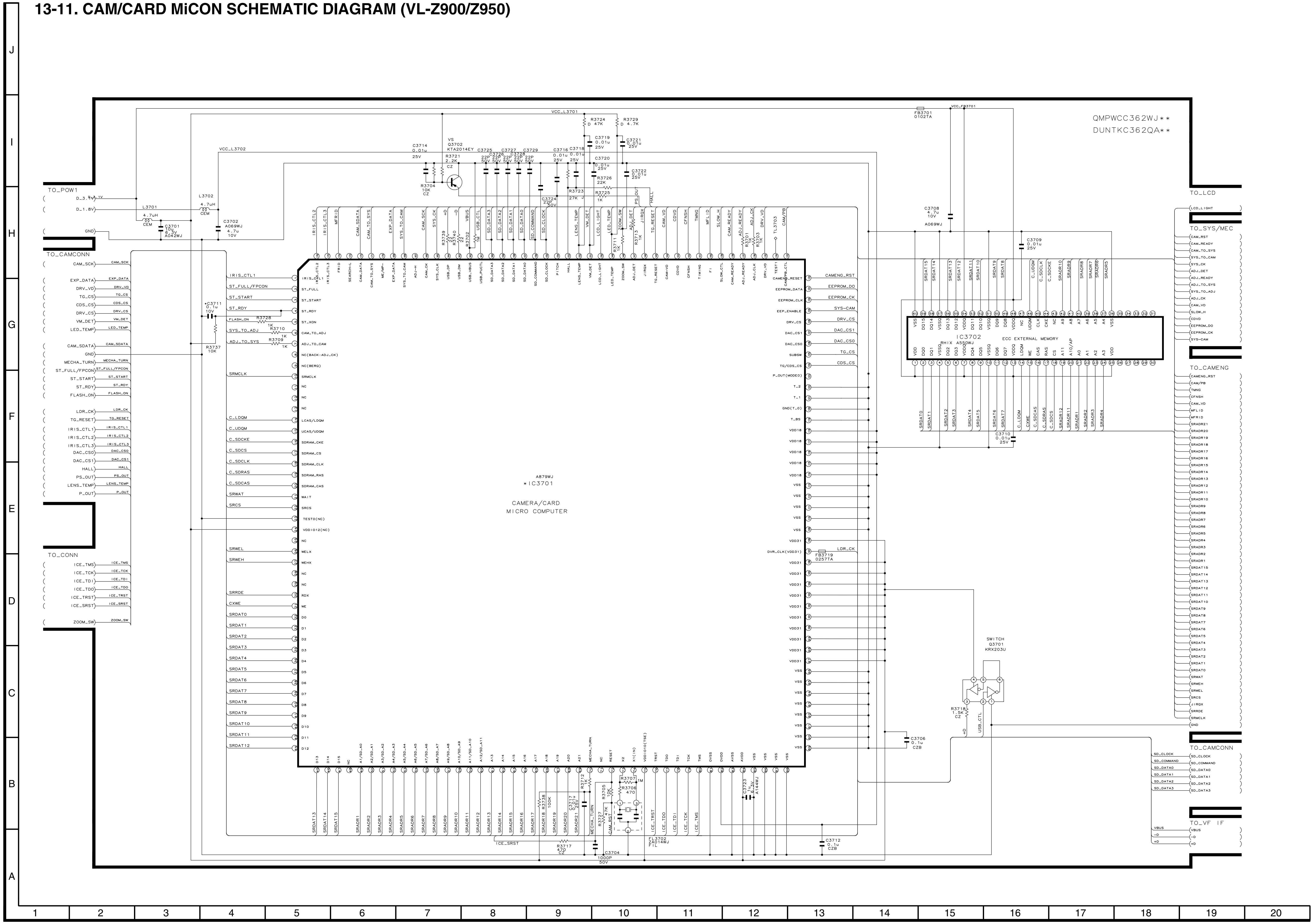
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-11. CAM/CARD MiCON SCHEMATIC DIAGRAM (VL-Z700/Z800)



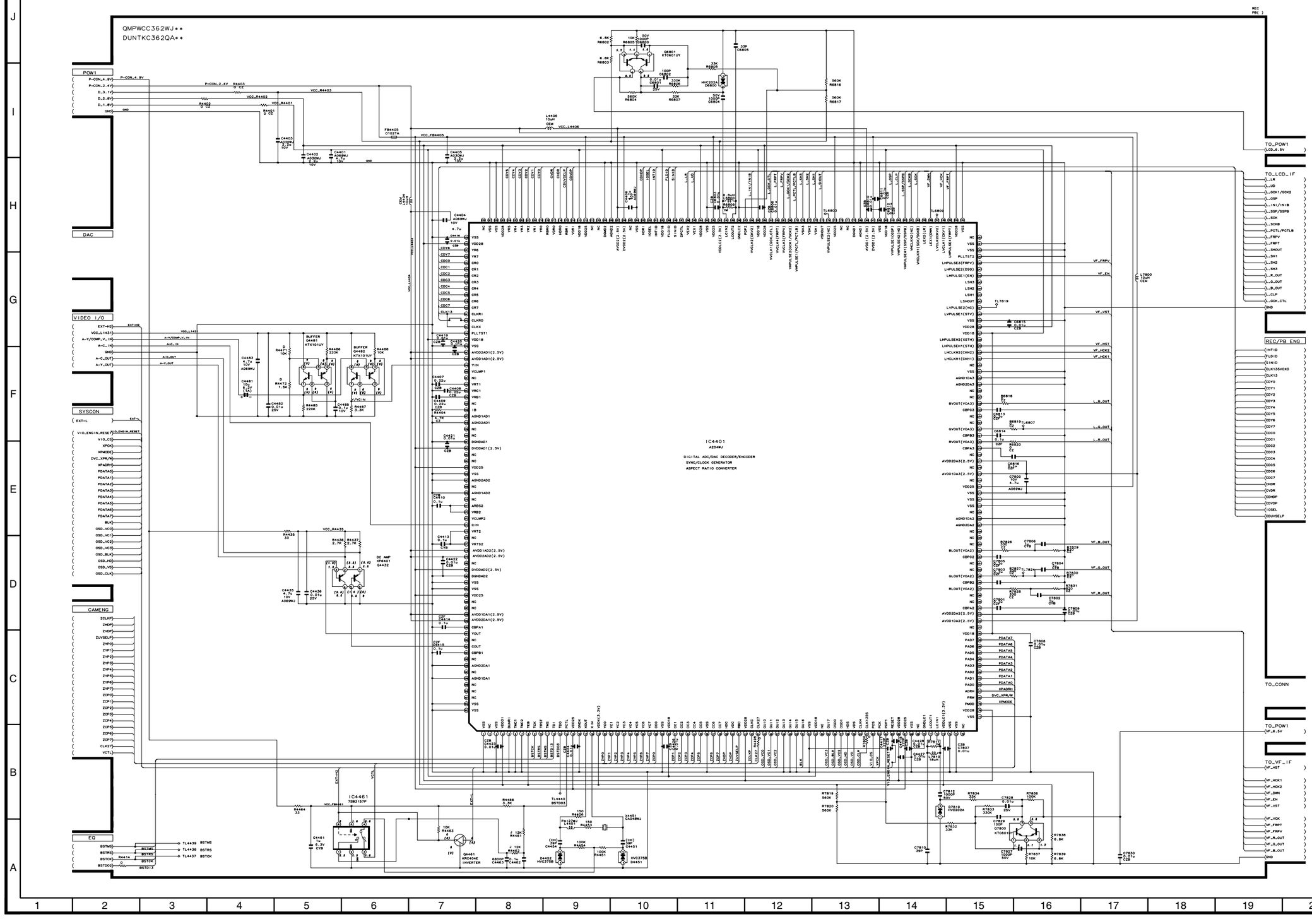
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-11. CAM/CARD MiCON SCHEMATIC DIAGRAM (VL-Z900/Z950)



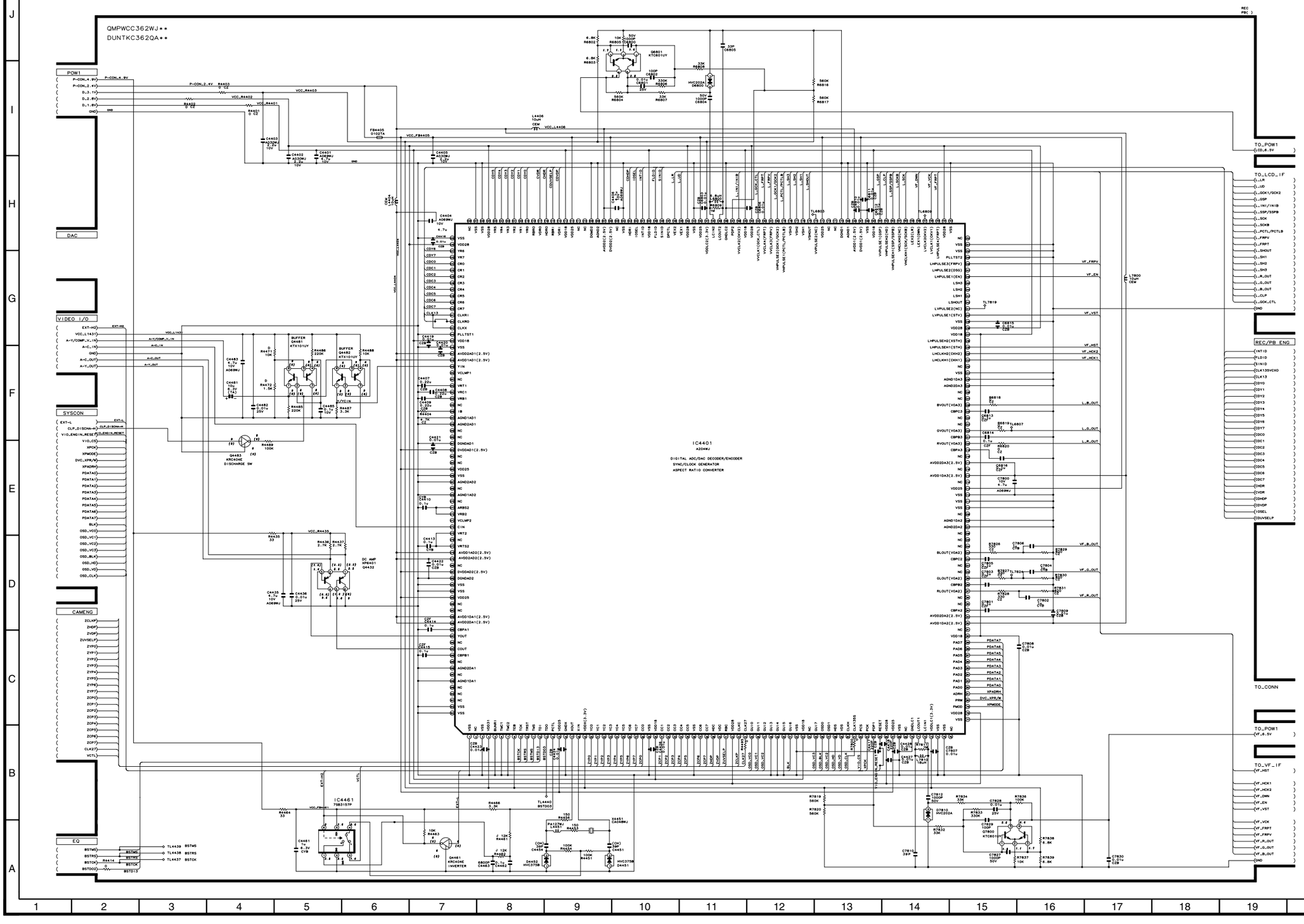
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-12. VIDEO I/O ENGINE SCHEMATIC DIAGRAM (VL-Z700)



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-12. VIDEO I/O ENGINE SCHEMATIC DIAGRAM (VL-Z800/Z900/Z950)



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-13. DAC SCHEMATIC DIAGRAM

QMPWCC362WJ**
DUNTKC362QA**

R4703
0

IC4701
MB8346BV

C4703
0.1u
10V
CZF

C4702
0.1u
10V
CZF

TO_CAMCONN

TO_SYS

TO_LCDIF

TO_VF IF

TO_VIO

TO_POW1

G_NO.-CTL

LCD_TEMP/WIDE-S2_IN

PSC_DATA

PSC_CK

D/A_STB

GND

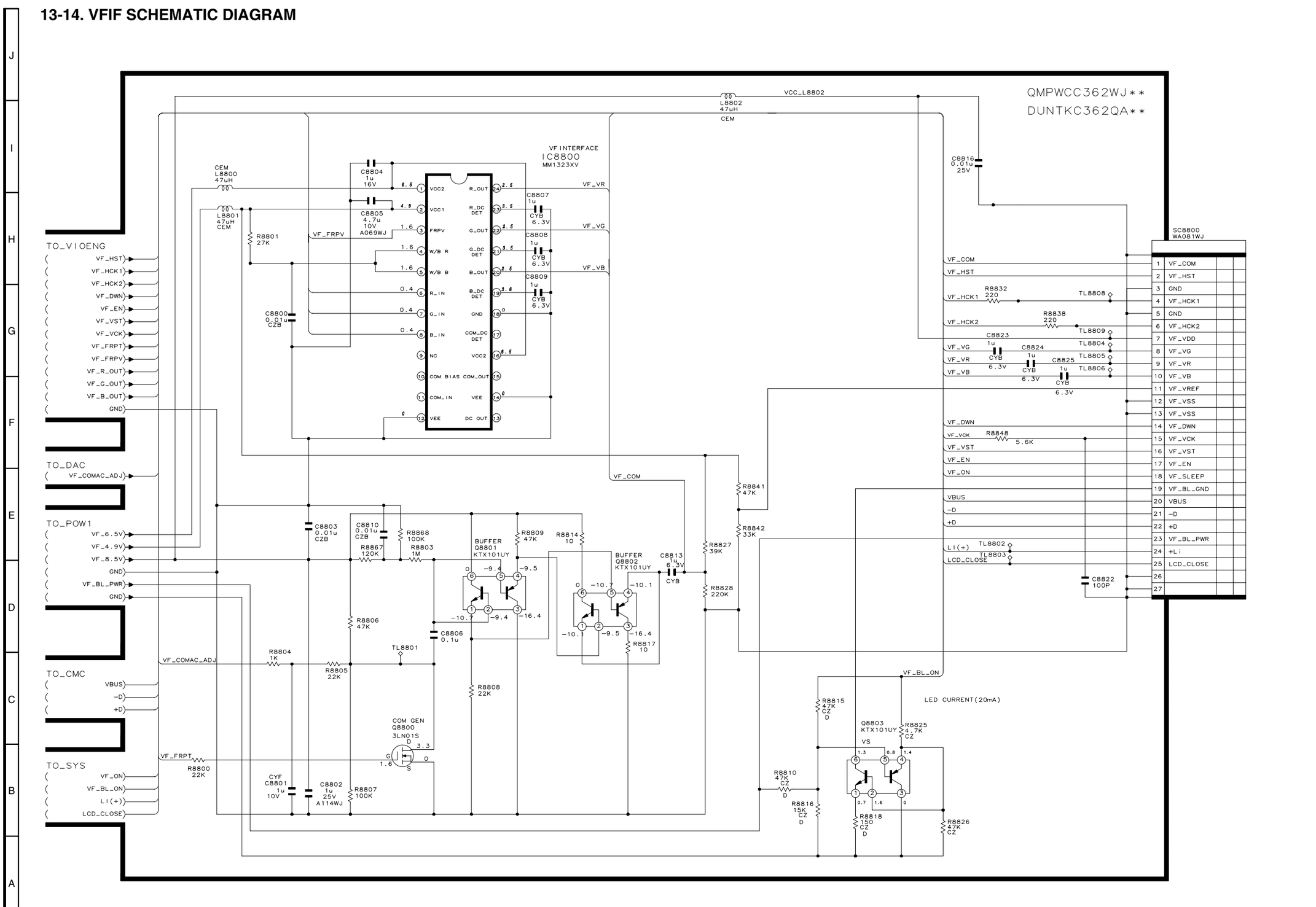
WIDE-S2_IN

SEP-L

LCD_BR_ADJ

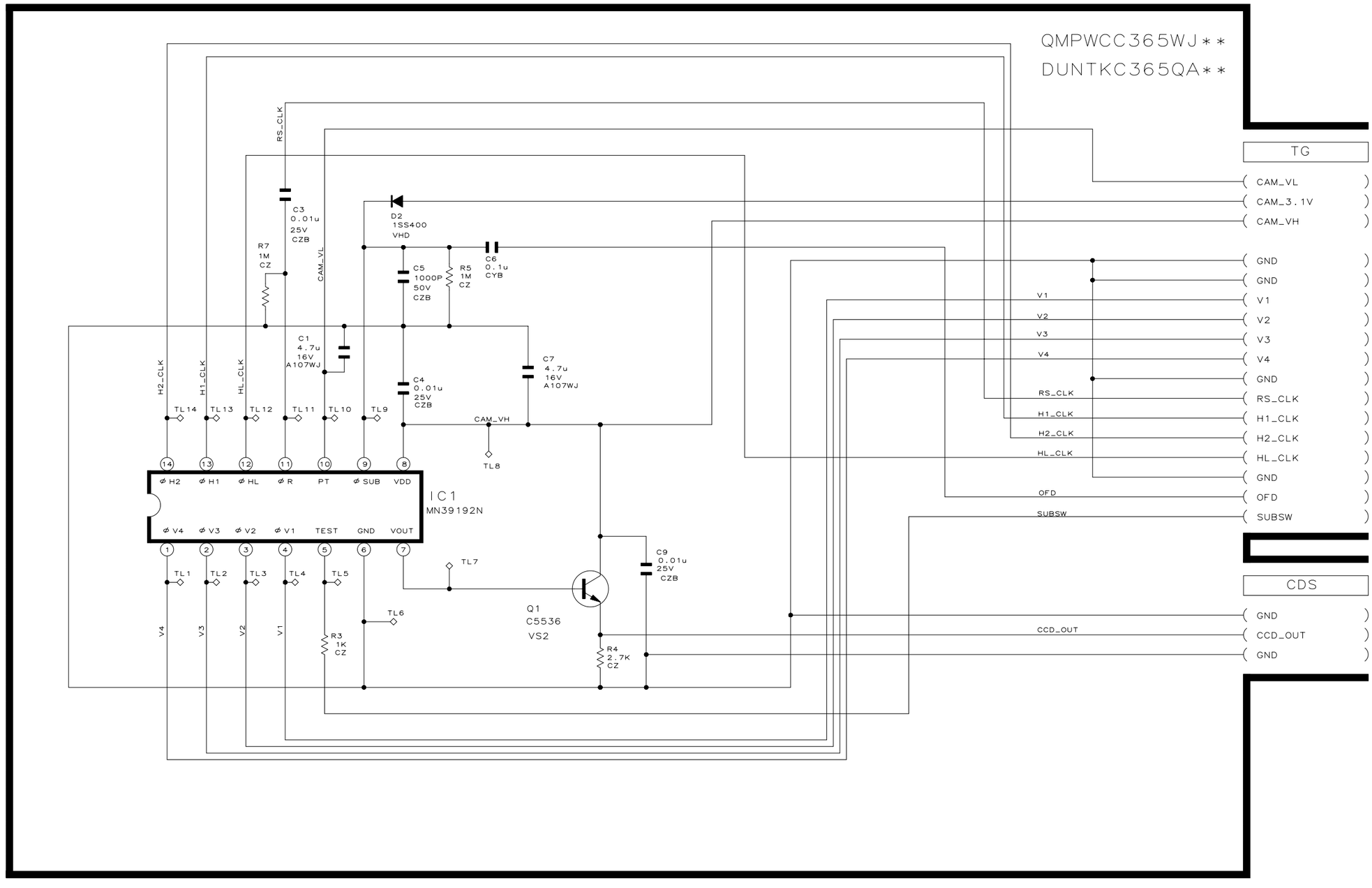
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-14. VFIF SCHEMATIC DIAGRAM



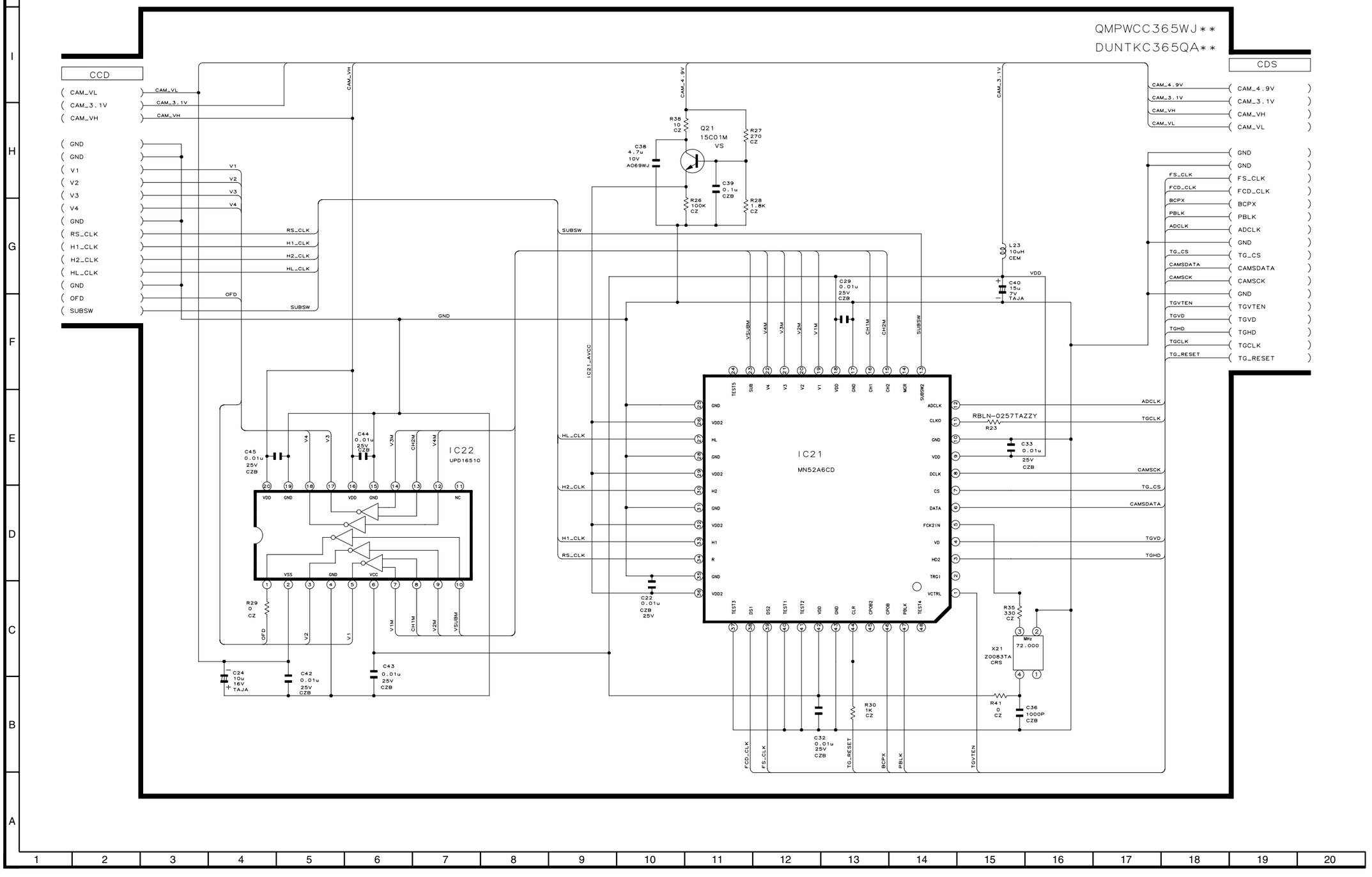
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-15. CCD SCHEMATIC DIAGRAM



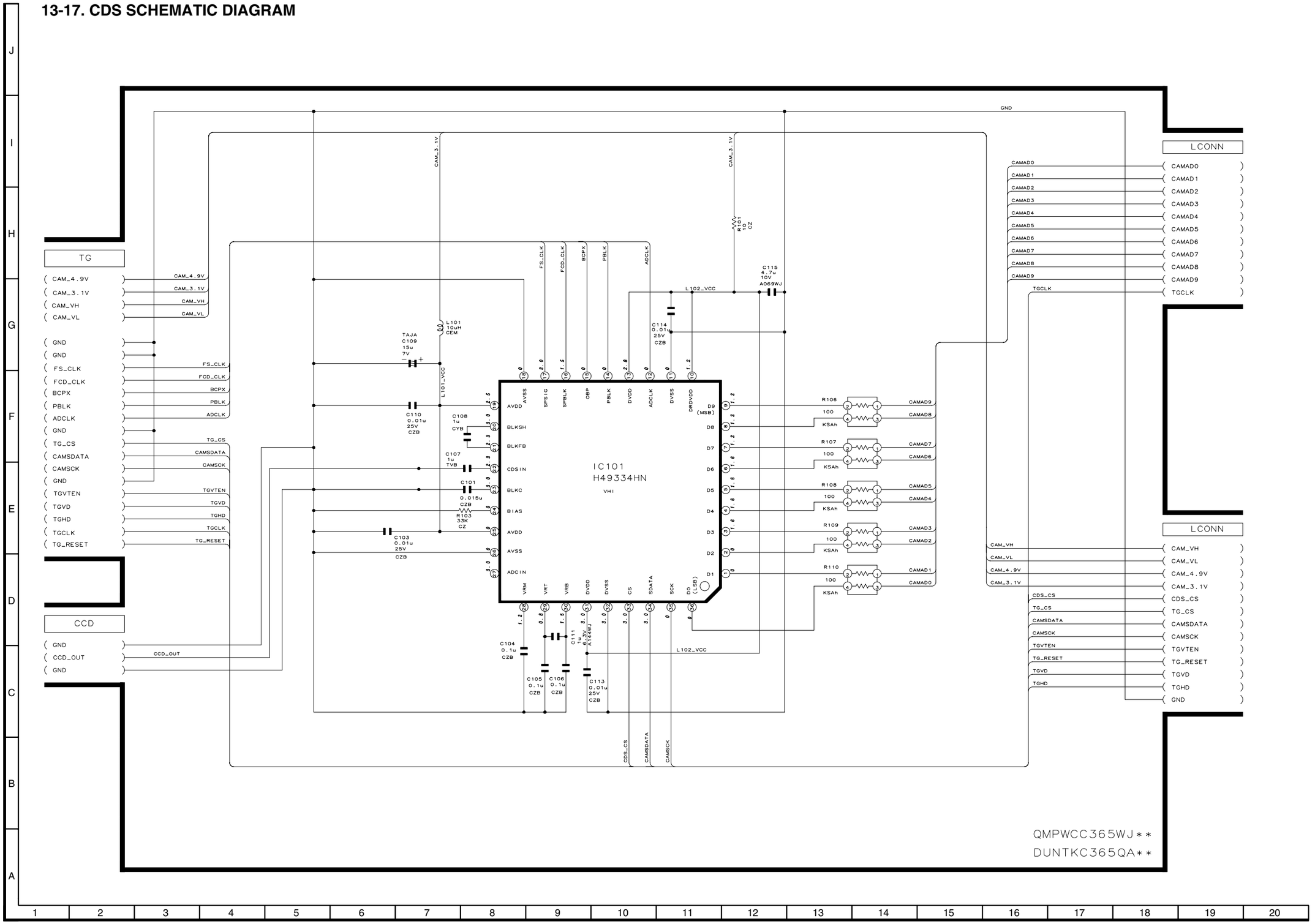
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-16. TG SCHEMATIC DIAGRAM



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-17. CDS SCHEMATIC DIAGRAM



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-18. LCONN SCHEMATIC DIAGRAM

QMPWCC365WJ**
DUNTKC365QA**

CDS

CAM_4.9V
CAM_3.1V
CAM_VH
CAM_VL
GND
TG_CS
TGVTEN
TGVD
TGHD
CDS_CS
CAMSDATA
CAMSCK
TG_RESET
TGCLK
CAMAD0
CAMAD1
CAMAD2
CAMAD3
CAMAD4
CAMAD5
CAMAD6
CAMAD7
CAMAD8
CAMAD9

RMC1001
GA013WJ
Out Vcc
Gyro Sensor
Vref GND

C1111 0.01u 25V CZB
R1018 10 CZ
C1016 4.7u 10V A069WJ
C1002 4.7u 10V A069WJ
R1004 10K J CZ
GYRO_REF
GYRO_OUT
R1009 150K D CZ
C1010 10u 6.3V A042WJ
R1001 10K CZ
R1003 15K CZ
R1005 15K CZ
C1003 0.022u 16V CZB
C1112 1800P 50V CZB
C1005 0.047u 10V CZB
C1011 820P CZB
R1015 8.2K CZ
R1016 0 CZ
R1021 3.9K CZ
C1014 0.022u CZB
R1011 270K CZ
NJ12904R
IC1002
OP-AMP
GND
VCC
R1020 150K CZ
CAM_4.9V
C1018 0.1u CZB

TP1003
TL1013
GND
TL1014

TP1001
SC1001
WA082WJ
TO_MAIN

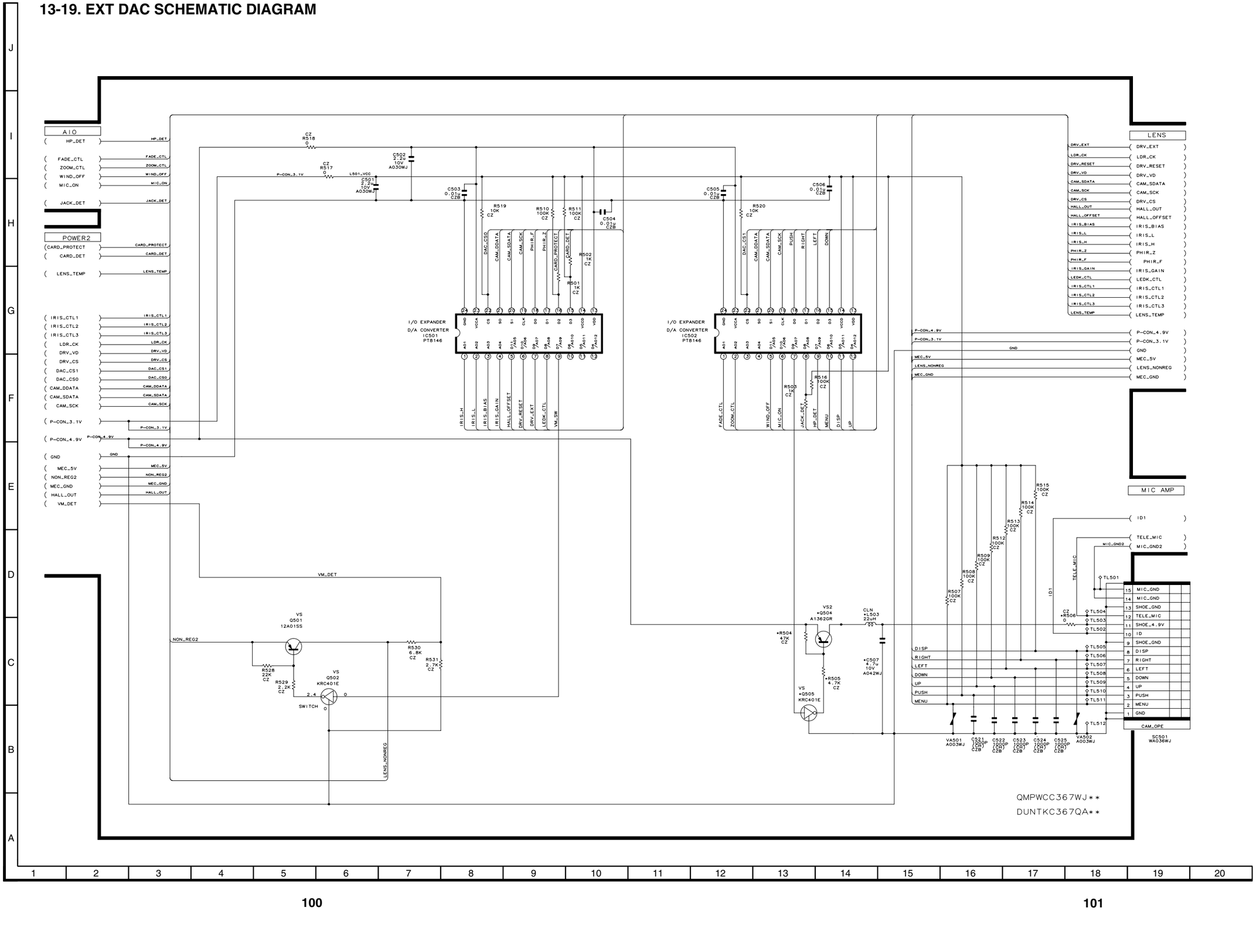
1	GND		
2	P-CON_4.9V		
3	P-CON_4.9V		
4	P-CON_3.1V		
5	P-CON_3.1V		
6	NC		
7	PS_OUT		
8	GND		
9	TGCLK		
10	GND		
11	TG_CS		
12	TGVD		
13	TGHD		
14	TGVTEN		
15	TG_RESET		
16	CAM_VH		
17	CAM_VL		
18	CDS_CS		
19	CAMSDATA		
20	CAMSCK		
21	GND		
22	GND		
23	ADIN5		
24	ADIN0		
25	ADIN6		
26	ADIN1		
27	ADIN7		
28	ADIN2		
29	ADIN8		
30	ADIN3		
31	ADIN9		
32	ADIN4		
33	GND		

TL1001 TL1002 TL1003 TL1004 TL1005 TL1006 TL1007 TL1008 TL1009 TL1010 TL1011 TL1012 TL1015 TL1016 TL1017 TL1019 TL1031 TL1030 TL1028 TL1026 TL1025 TL1024 TL1023 TL1022 TL1021 TL1020

TP1002

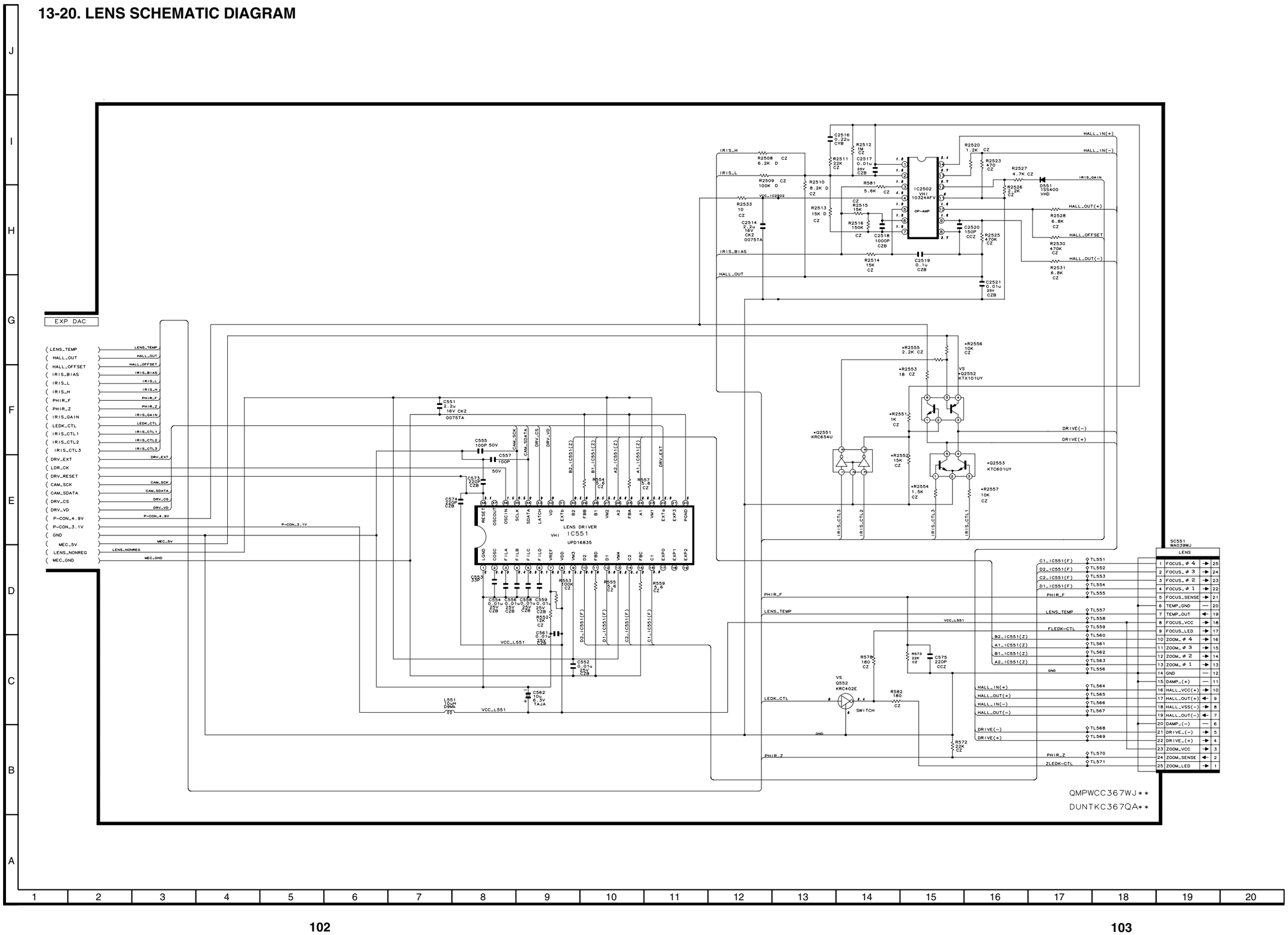
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-19. EXT DAC SCHEMATIC DIAGRAM



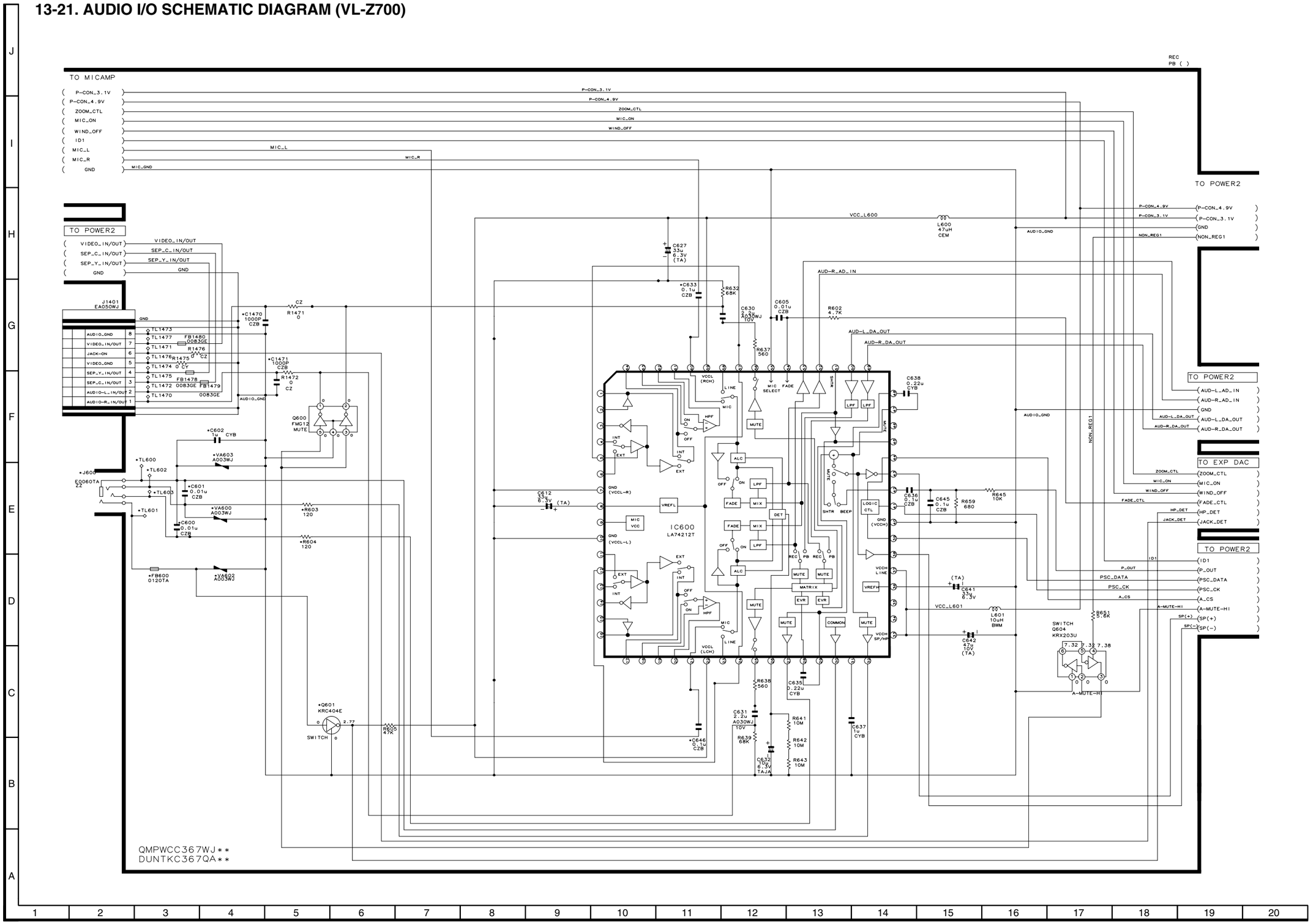
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-20. LENS SCHEMATIC DIAGRAM



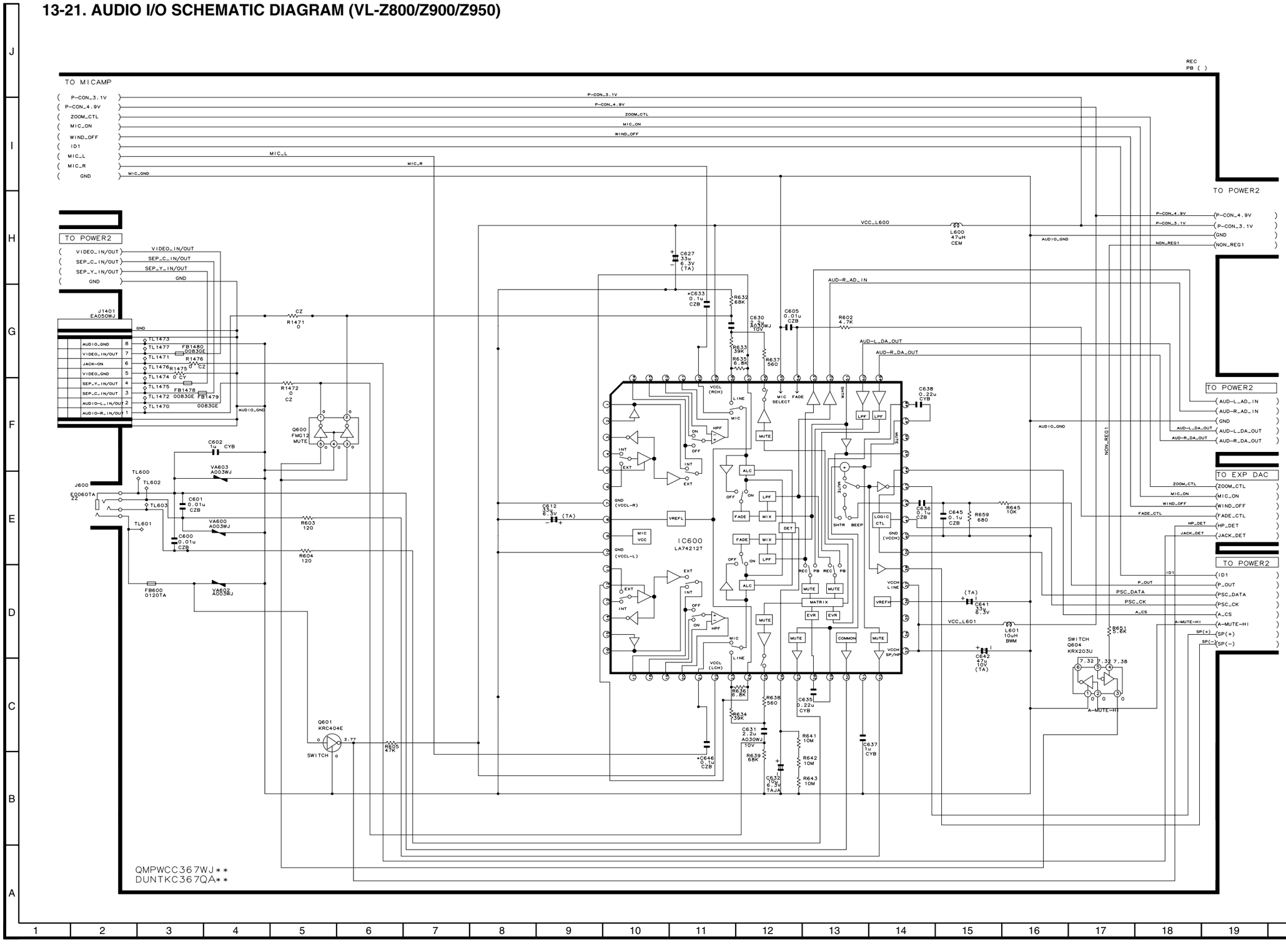
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-21. AUDIO I/O SCHEMATIC DIAGRAM (VL-Z700)



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

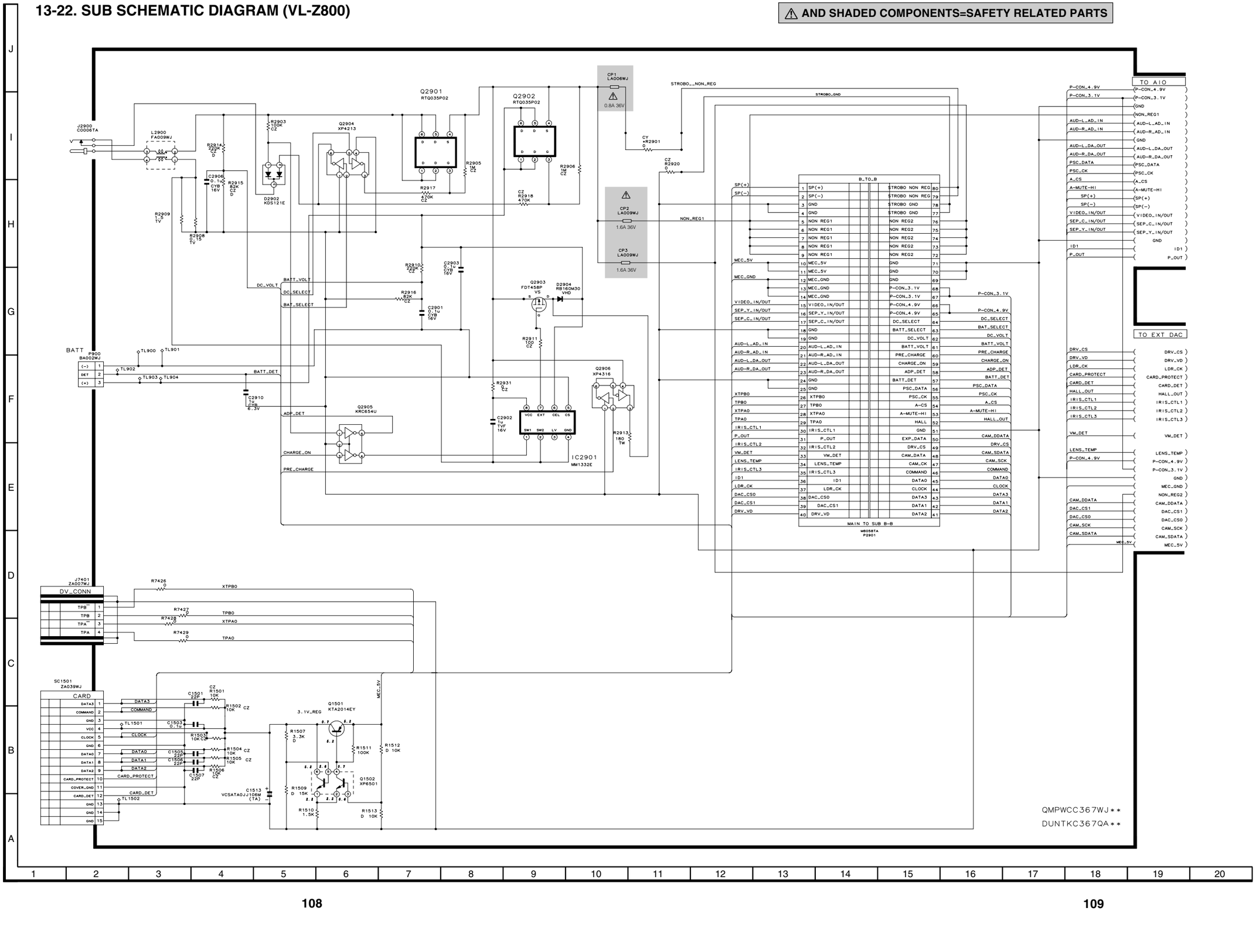
13-21. AUDIO I/O SCHEMATIC DIAGRAM (VL-Z800/Z900/Z950)



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-22. SUB SCHEMATIC DIAGRAM (VL-Z800)

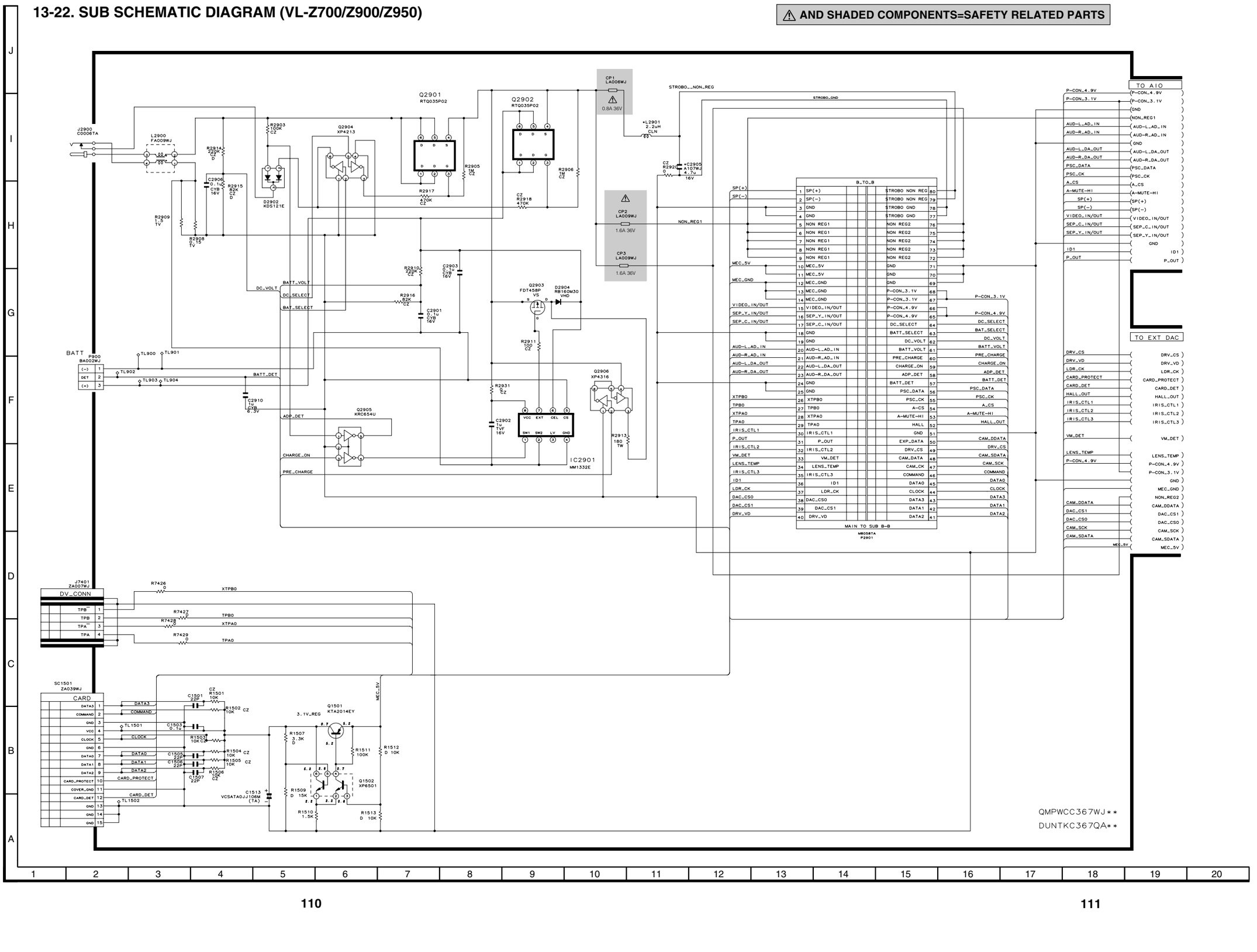
⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

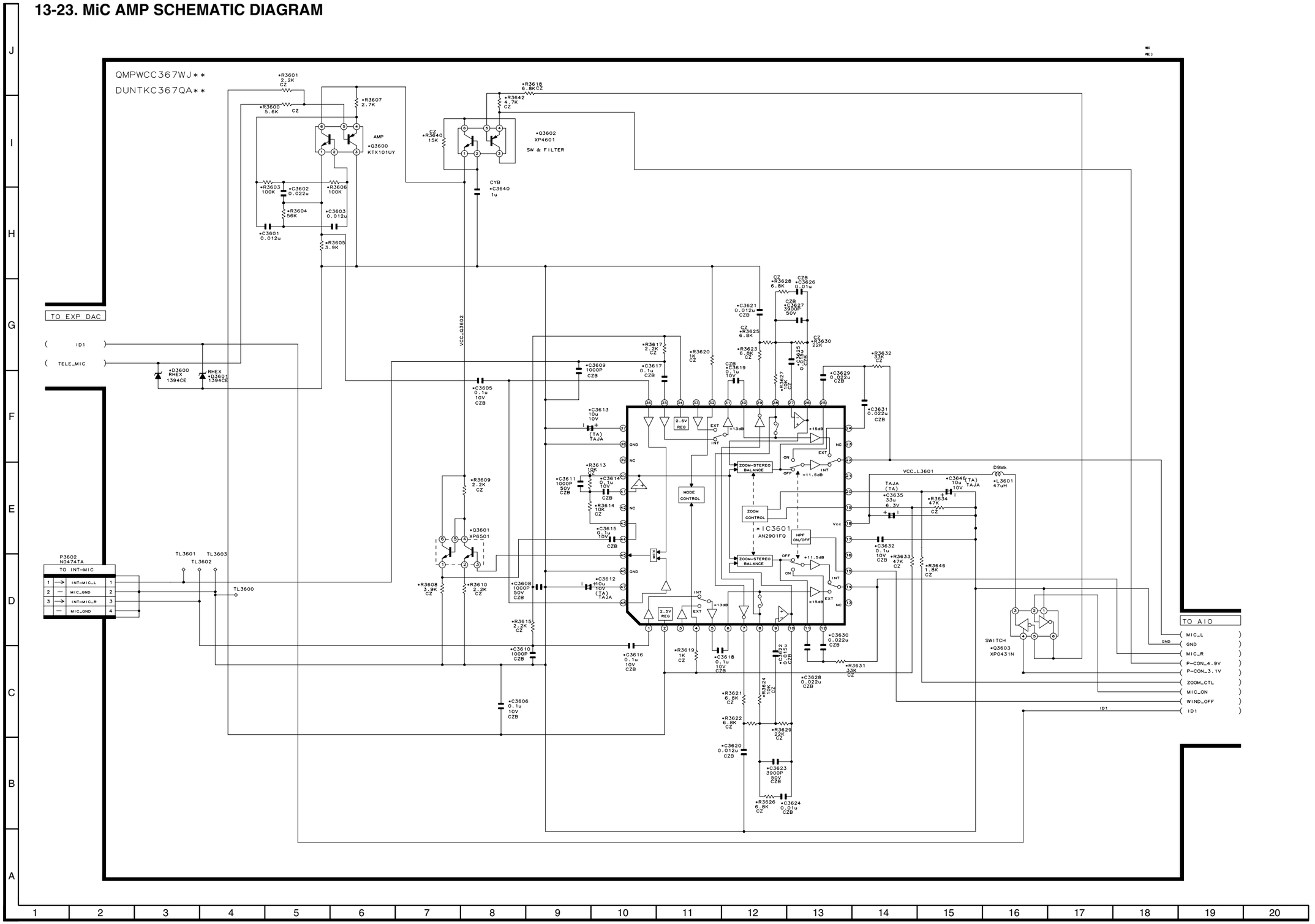
13-22. SUB SCHEMATIC DIAGRAM (VL-Z700/Z900/Z950)

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



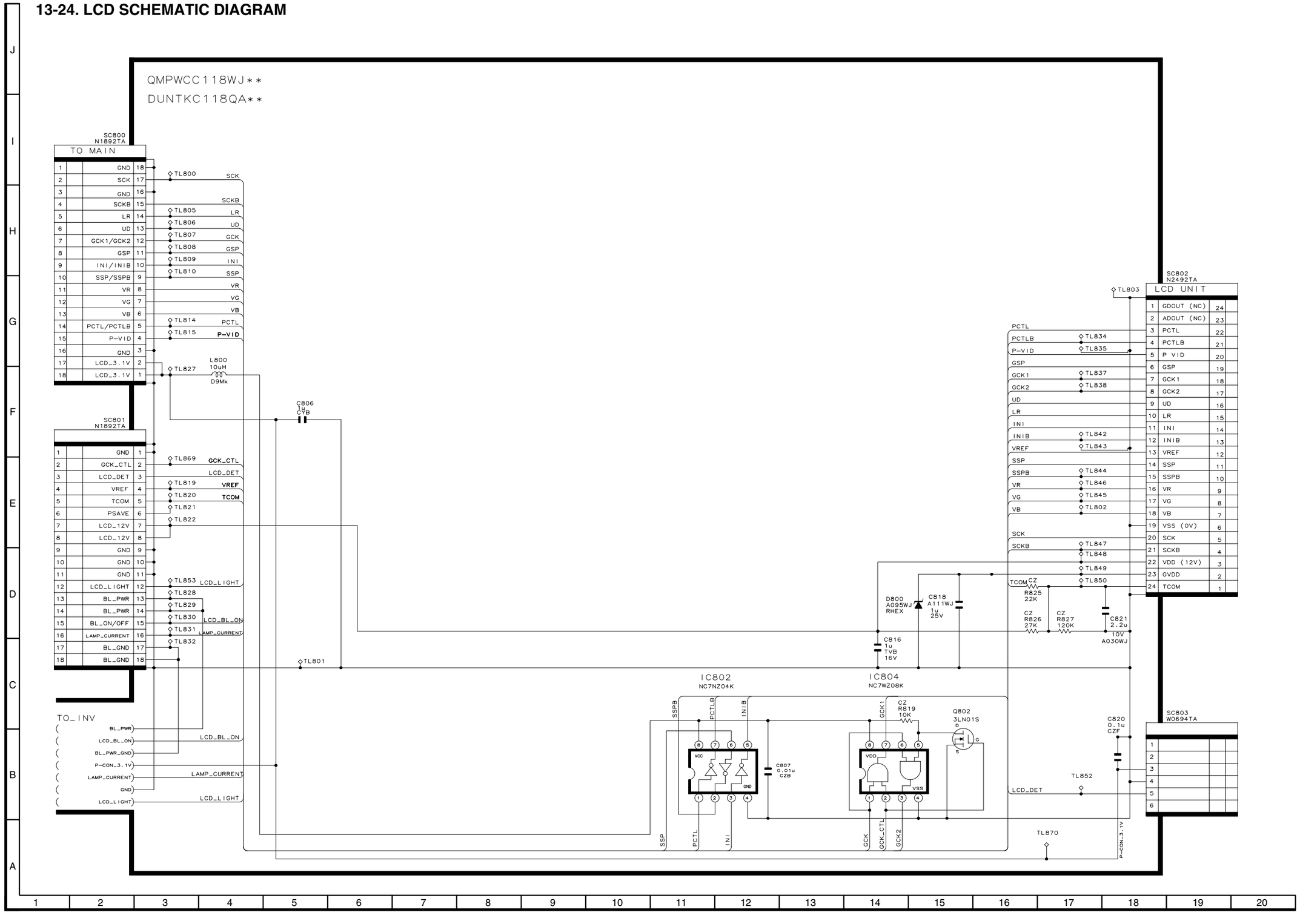
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-23. MiC AMP SCHEMATIC DIAGRAM



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-24. LCD SCHEMATIC DIAGRAM



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-25. INVERTER SCHEMATIC DIAGRAM

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS

QMPWCC118WJ**
DUNTKC118QA**

L9800
33u
PA051WJ

⚠ T9800
ZA053WJ

18P
C9805
(3KV)
A052WJ

TL9802
TL9801
TL9800

SC9800
N1019TA

TO_CFL LAMP			
10	AC OUT	~	
9	AC OUT	~	
8	AC OUT	~	
7	AC OUT	~	
6	AC OUT	~	
5	LAMP GND	—	
4	LAMP GND	—	
3	LAMP GND	—	
2	LAMP GND	—	
1	LAMP GND	—	

R9800
1.5K

R9801
1.5K

Q9800
CPH5504
B/L PC SW

C9803
0.022u
A124WJ
50V

C9804
3300P

TL9805
TL9804
TL9803

R9805
270
D

R9806
270
D

BUFF
Q9802
KTC4075EY

R9807
100

R9808
10K

R9809
47K

CGM
L9801
10uH

C9801
0.1u
10V

C9800
10u
10V
A041WJ

TO_LCD
(BL_PWR)
(LCD_BL_ON)
(LCD_LIGHT)
(P-CON_3.1V)
(LAMP_CURRENT)
(BL_PWR_GND)
(GND)

D9800
A089WJ
RHEX

I DET
IC9800
TA75S01F
VCC
GND

R9812
15K
D

C9807
0.1u
10V
CZB

R9810
0.22
CY

R9811
1K D

R9804
47K

I DET
Q9801
KTX101UY

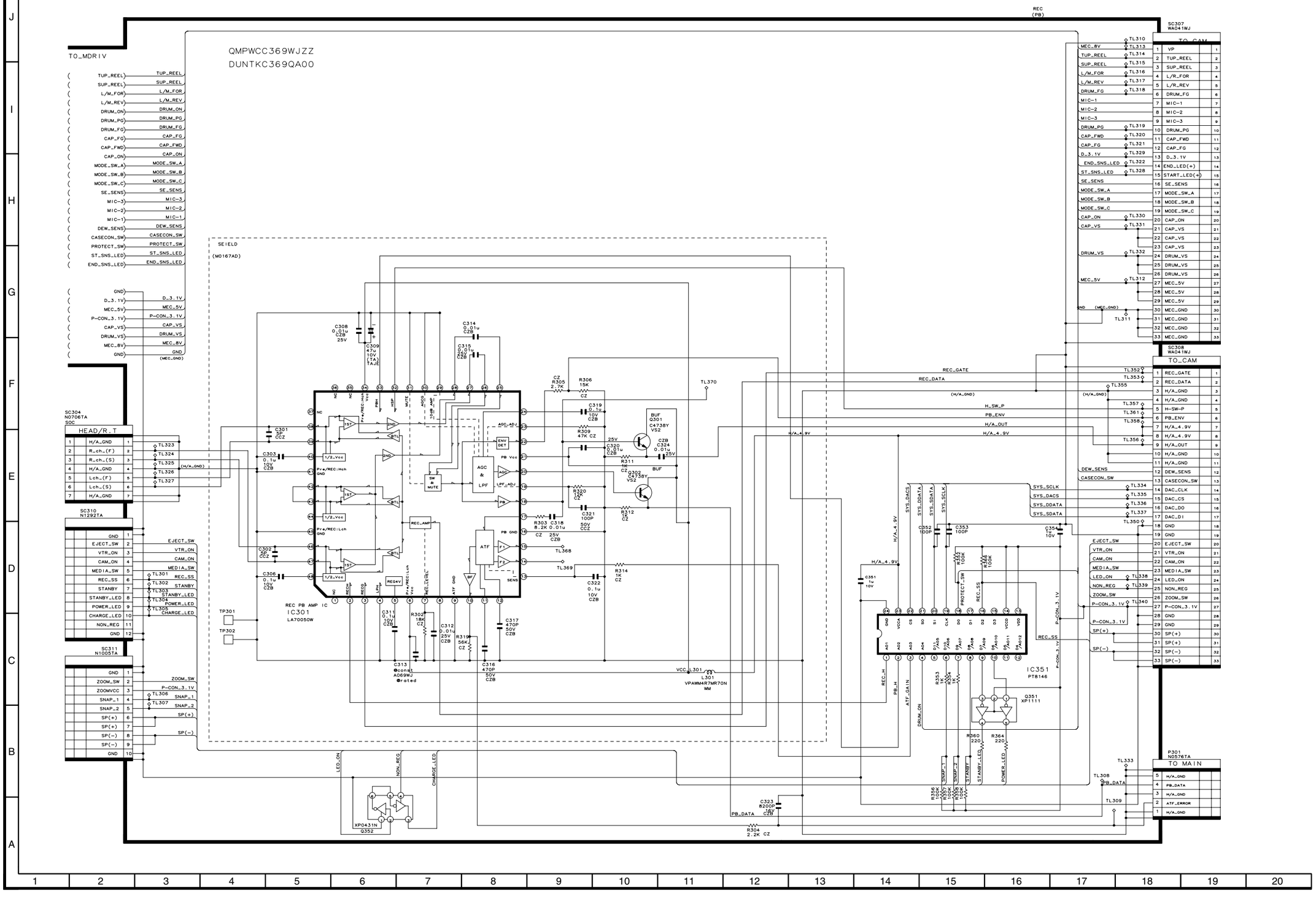
R9802
1.8K
D

C9802
0.01u
25V

R9803
10K
D

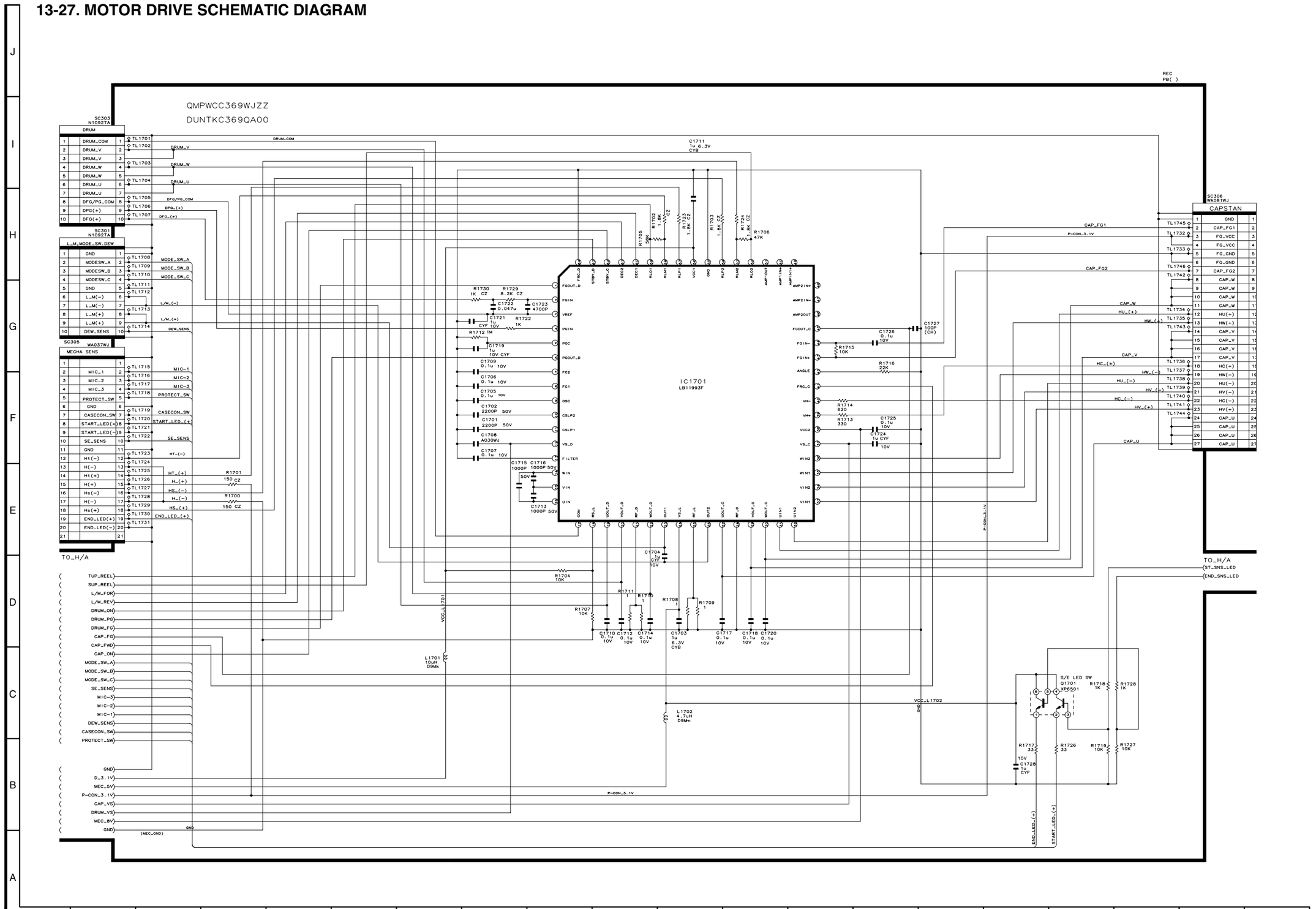
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-26. HEAD AMP SCHEMATIC DIAGRAM



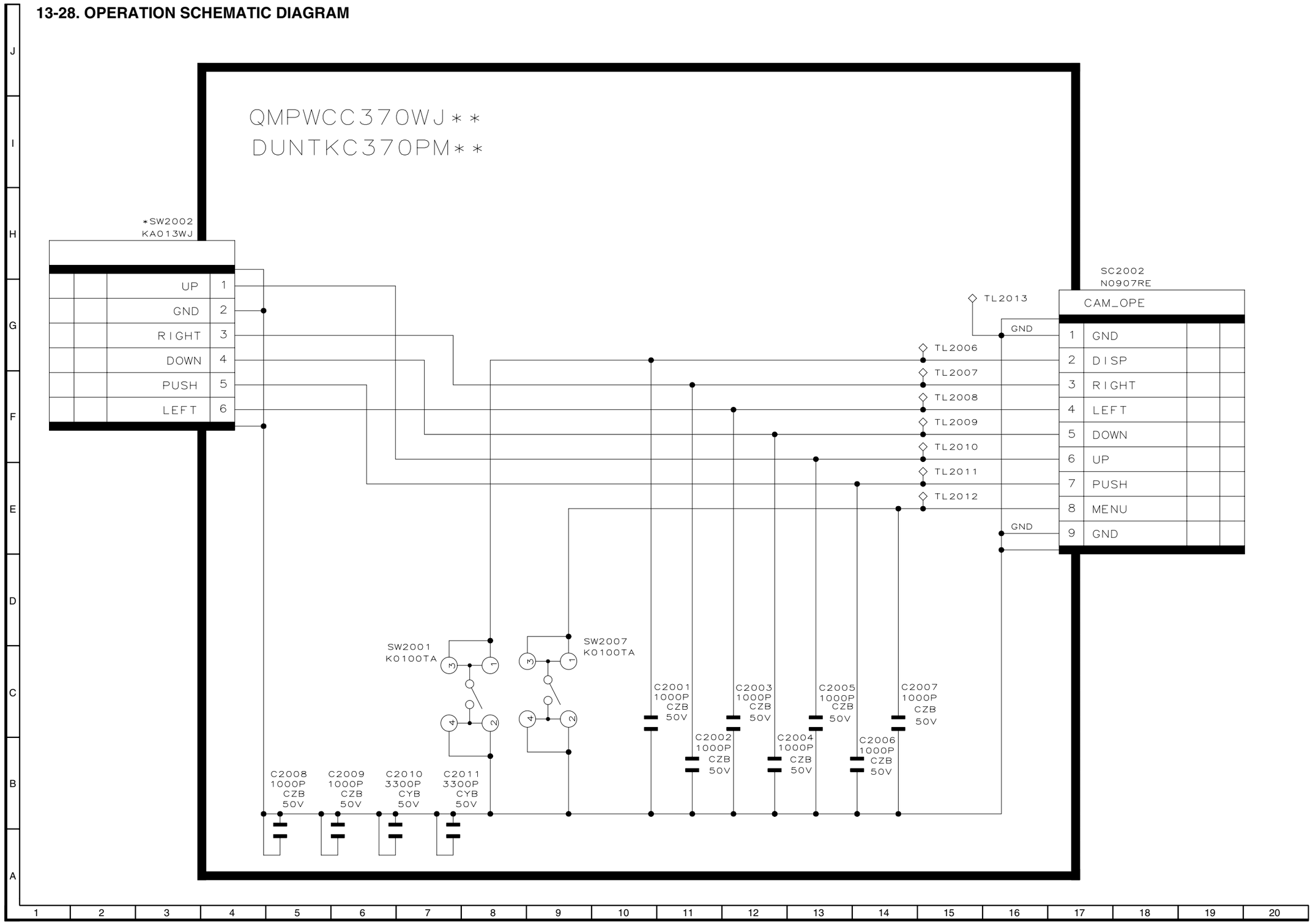
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-27. MOTOR DRIVE SCHEMATIC DIAGRAM



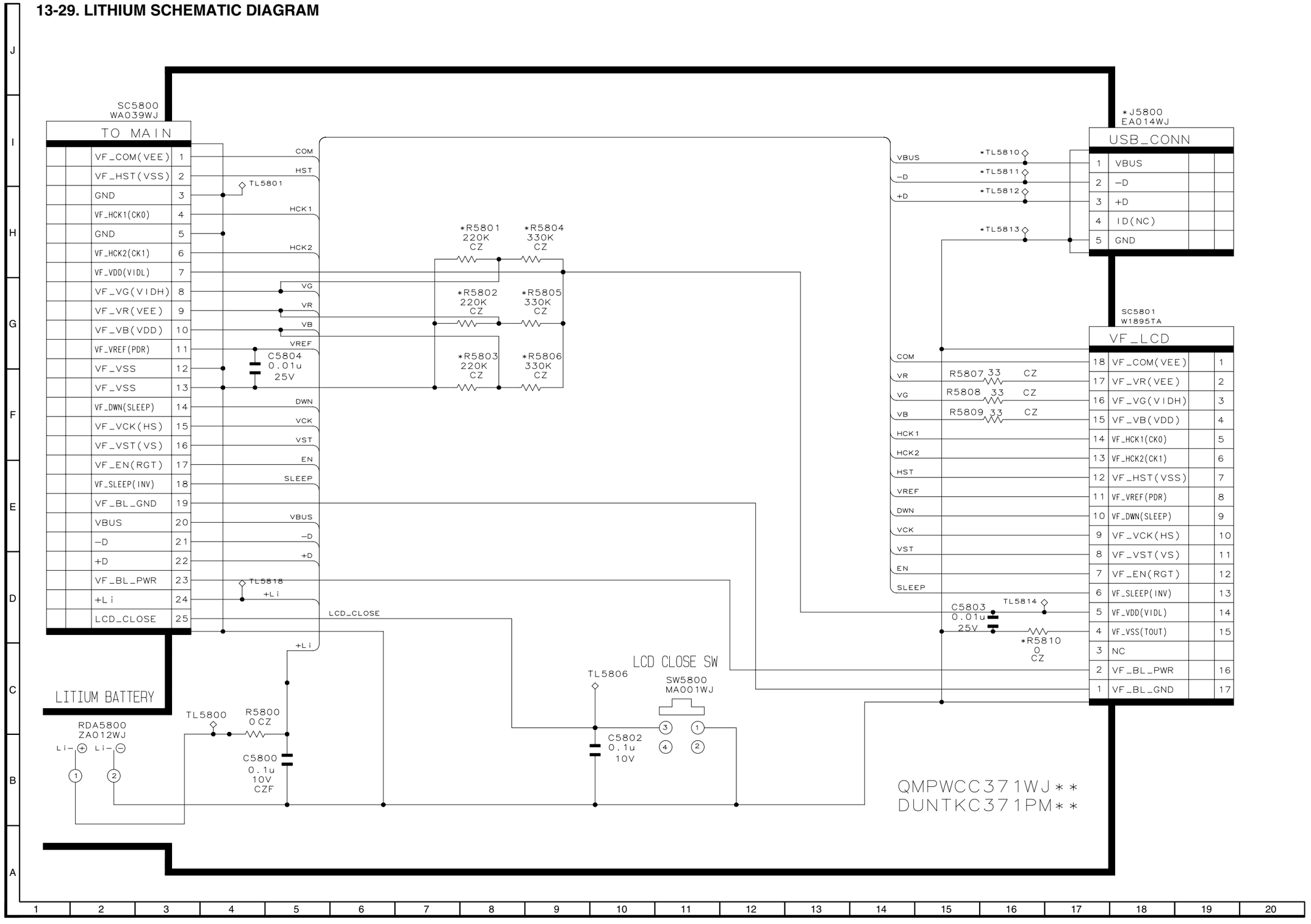
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-28. OPERATION SCHEMATIC DIAGRAM



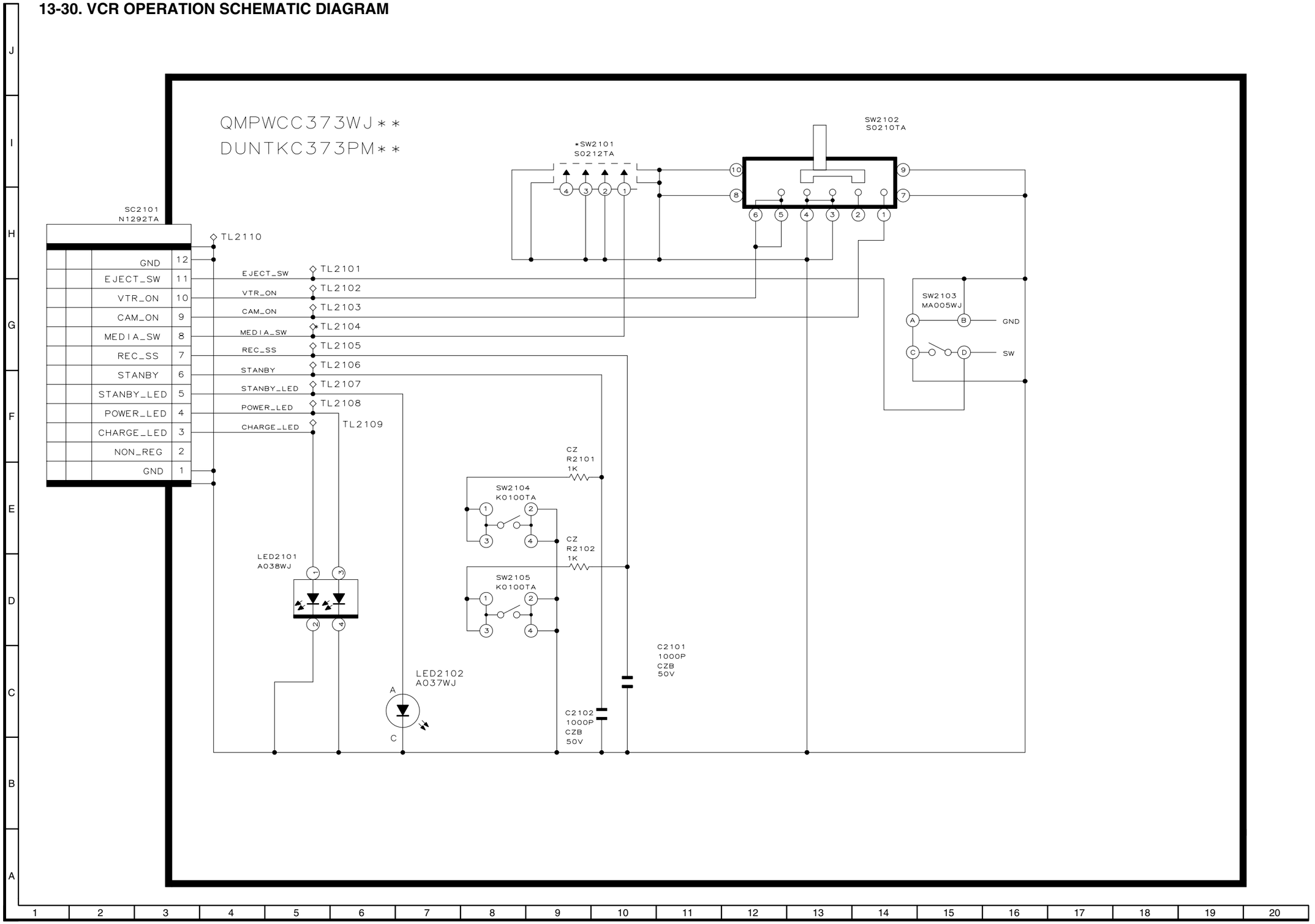
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-29. LITHIUM SCHEMATIC DIAGRAM



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-30. VCR OPERATION SCHEMATIC DIAGRAM



VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-31. ZOOM SW SCHEMATIC DIAGRAM

QMPWCC374WJ**
DUNTKC374PM**

VR2201
VA001WJ
RVR

SW2201
K0097TA

C2201
0.1u
CZF

C2202
0.1u
CZF

SC2201
N1006TA

1	GND		
2	ZOOM_SW		
3	ZOOM_VCC		
4	SNAP_1		
5	SNAP_2		
6	SP(+)		
7	SP(+)		
8	SP(−)		
9	SP(−)		
10	GND		

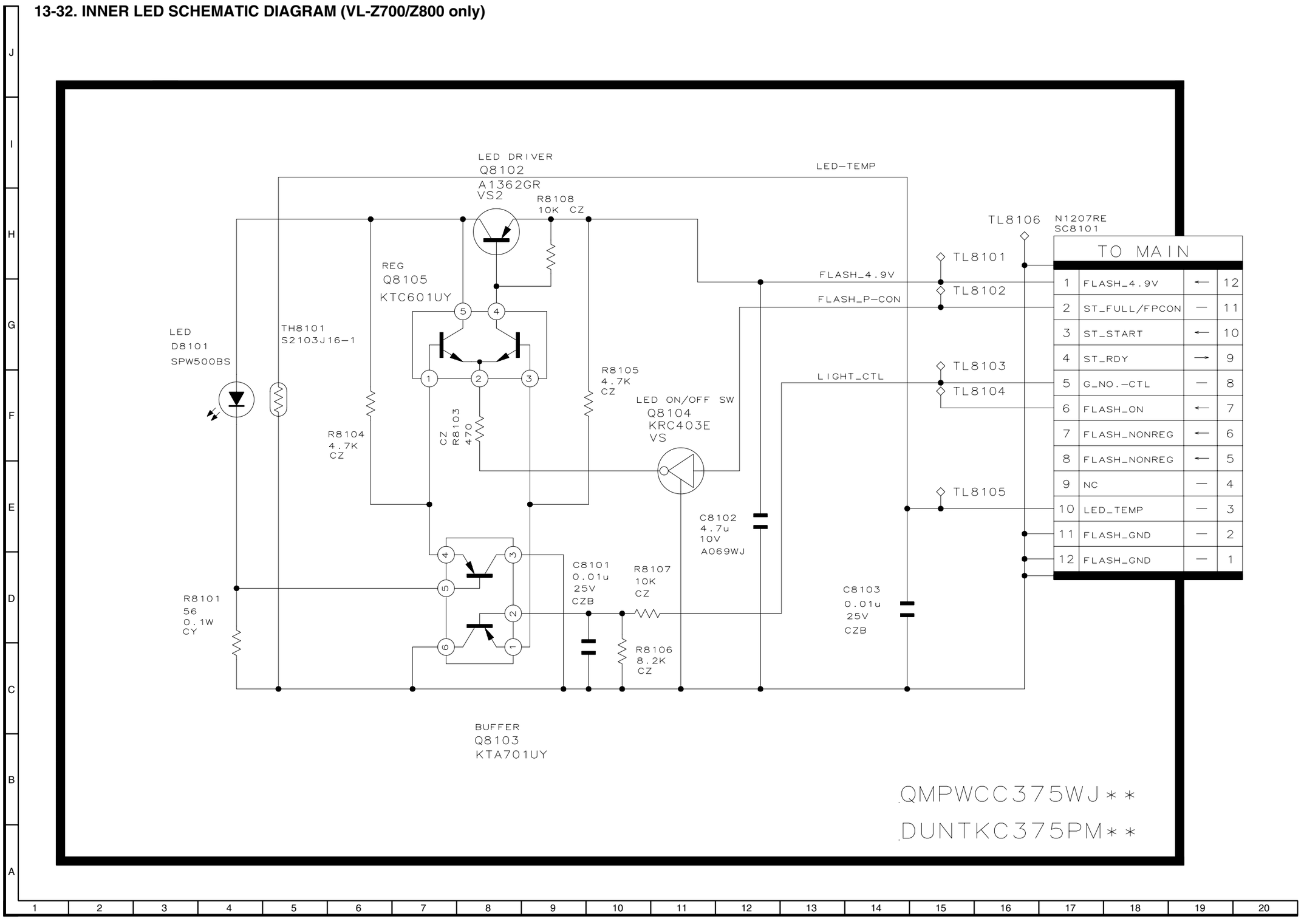
TL2201
TL2202
TL2203
TL2204
TL2205

P2201
N0276TA

1	SP(+)		
2	SP(−)		

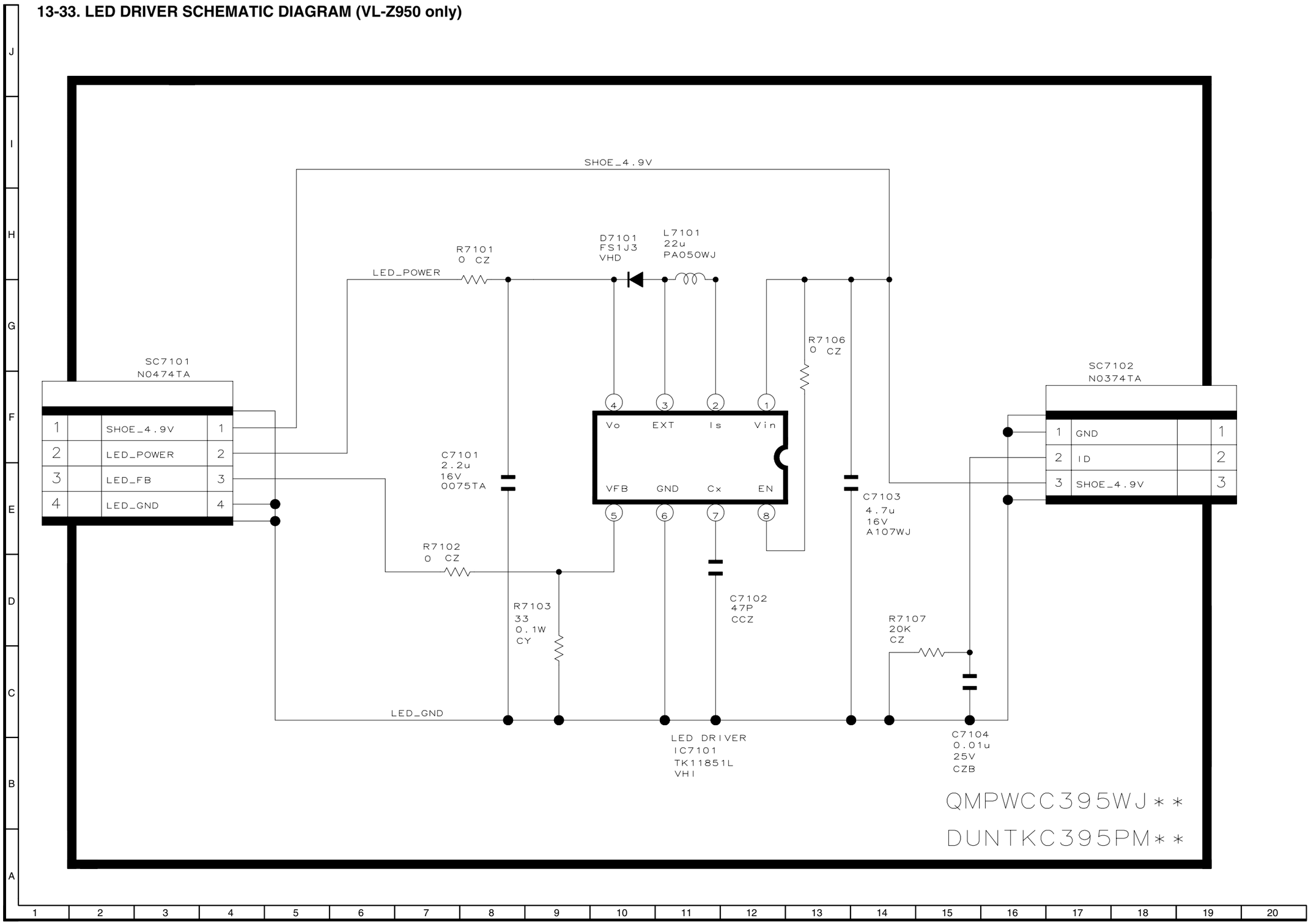
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-32. INNER LED SCHEMATIC DIAGRAM (VL-Z700/Z800 only)



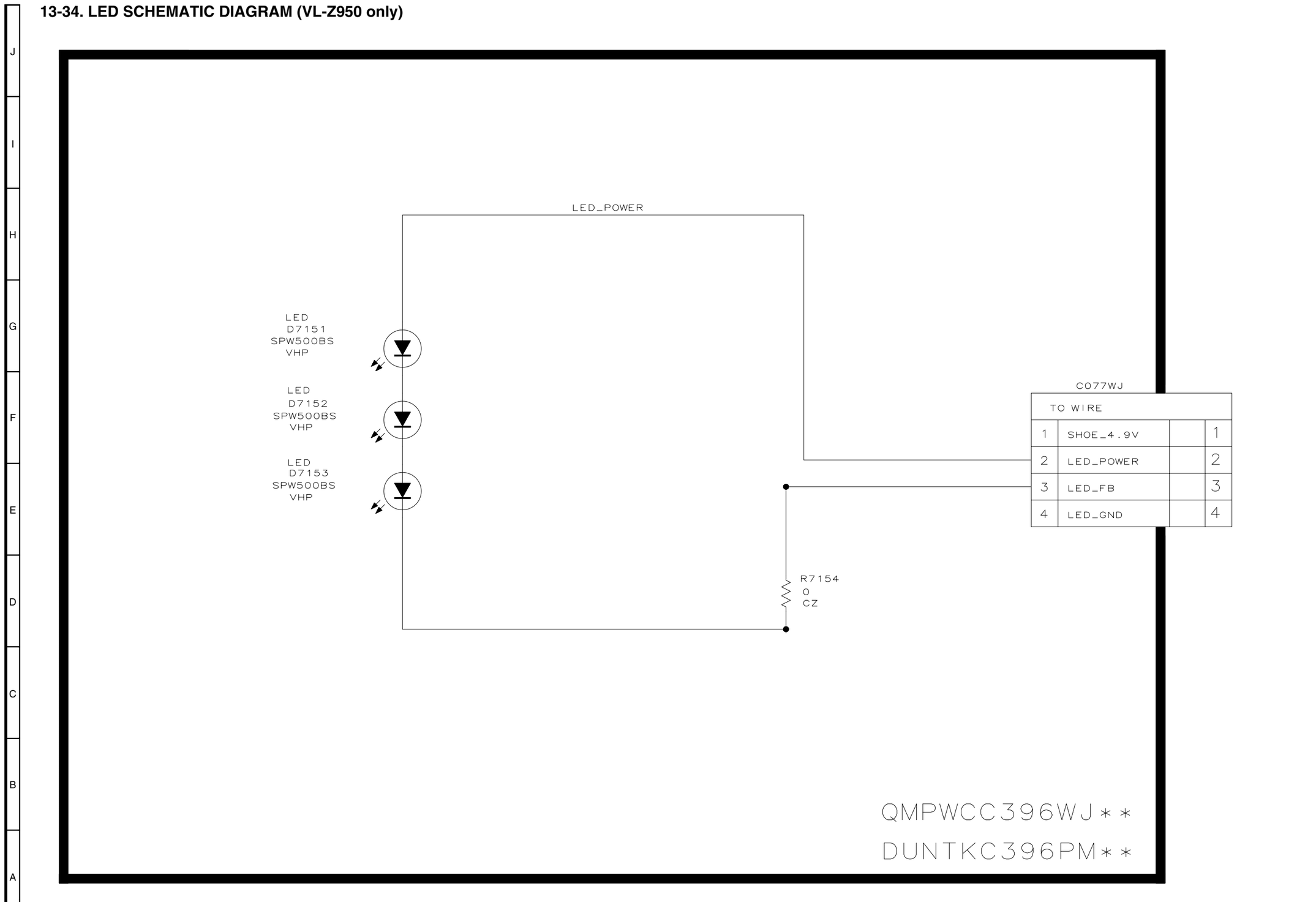
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-33. LED DRIVER SCHEMATIC DIAGRAM (VL-Z950 only)



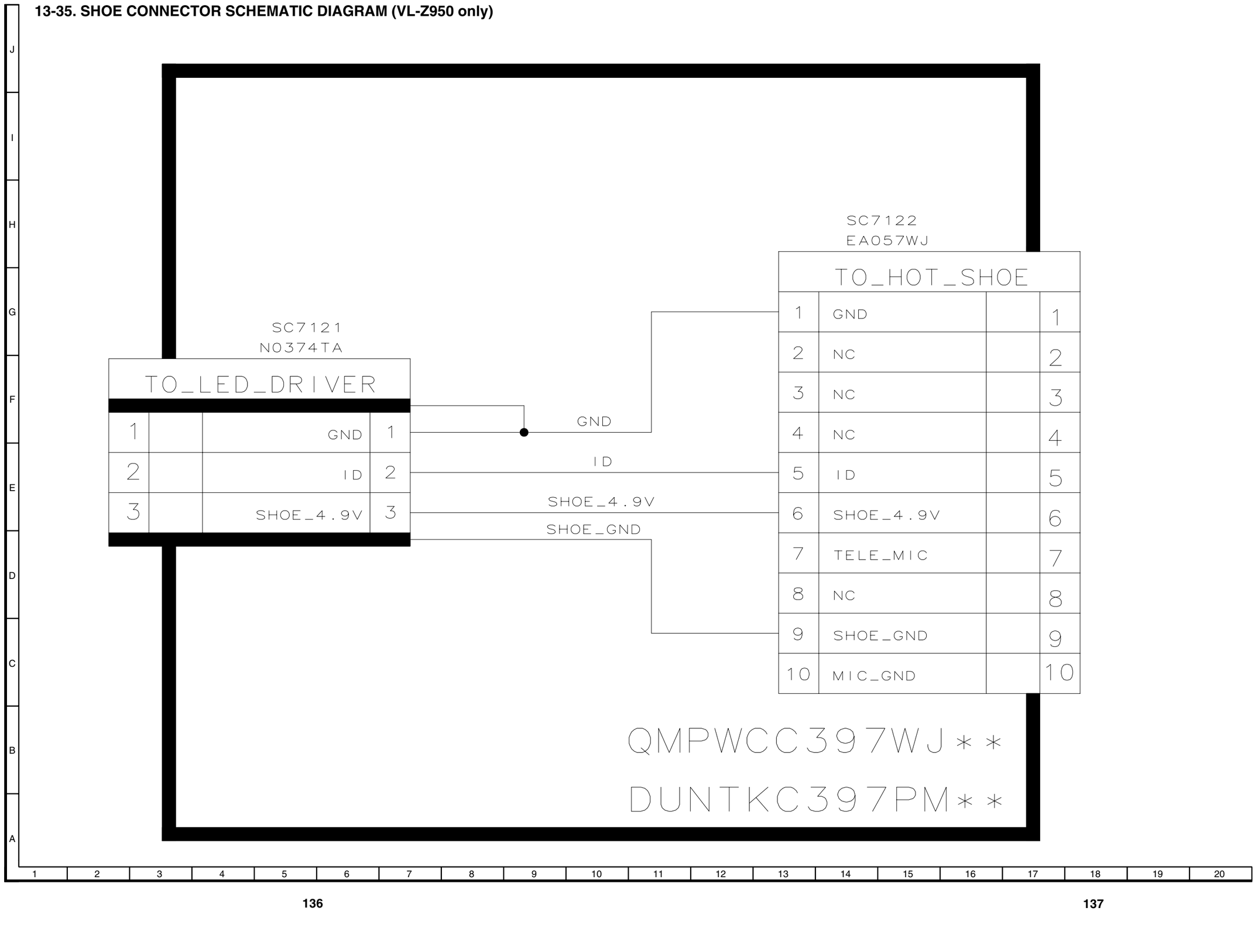
VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

13-34. LED SCHEMATIC DIAGRAM (VL-Z950 only)

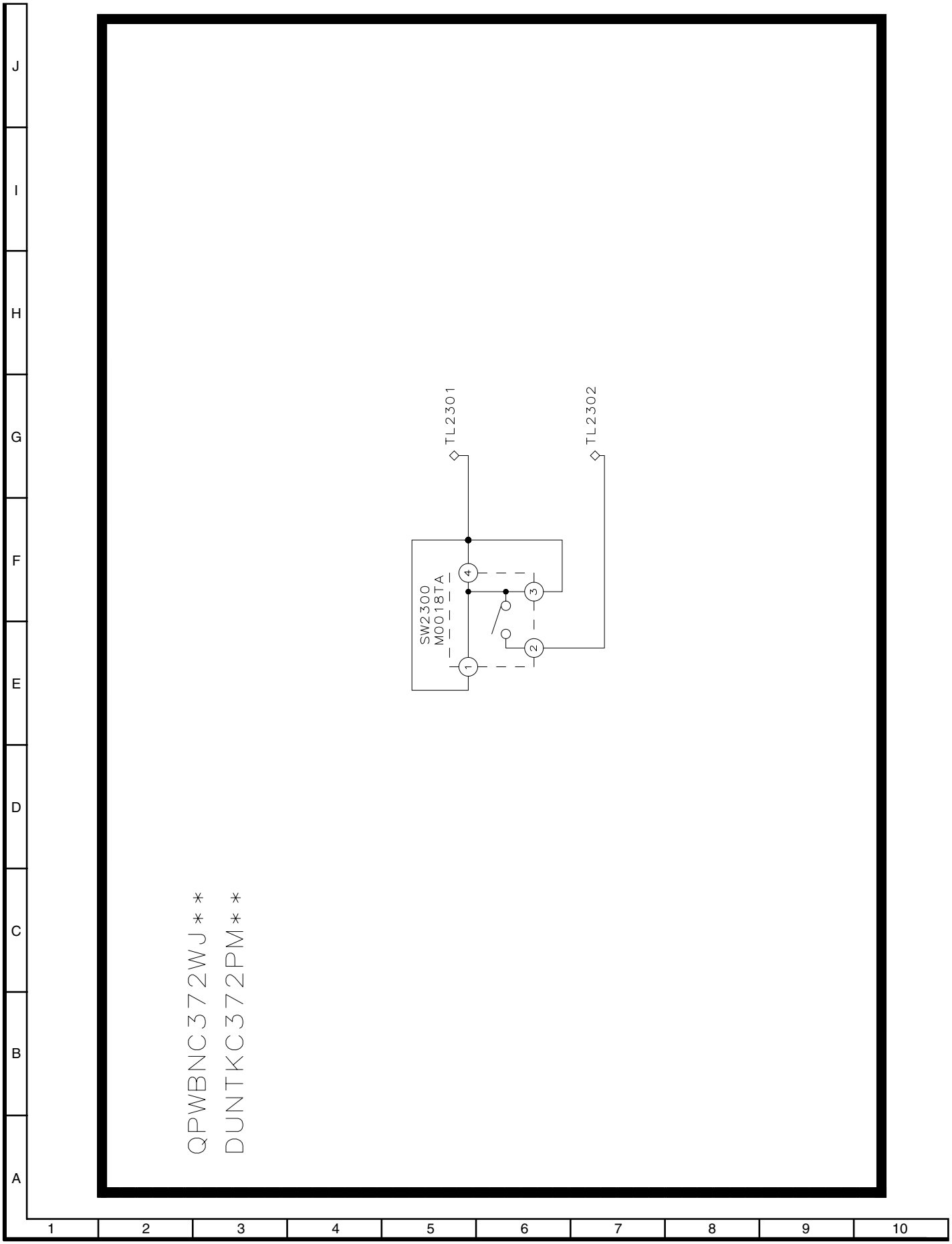


VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

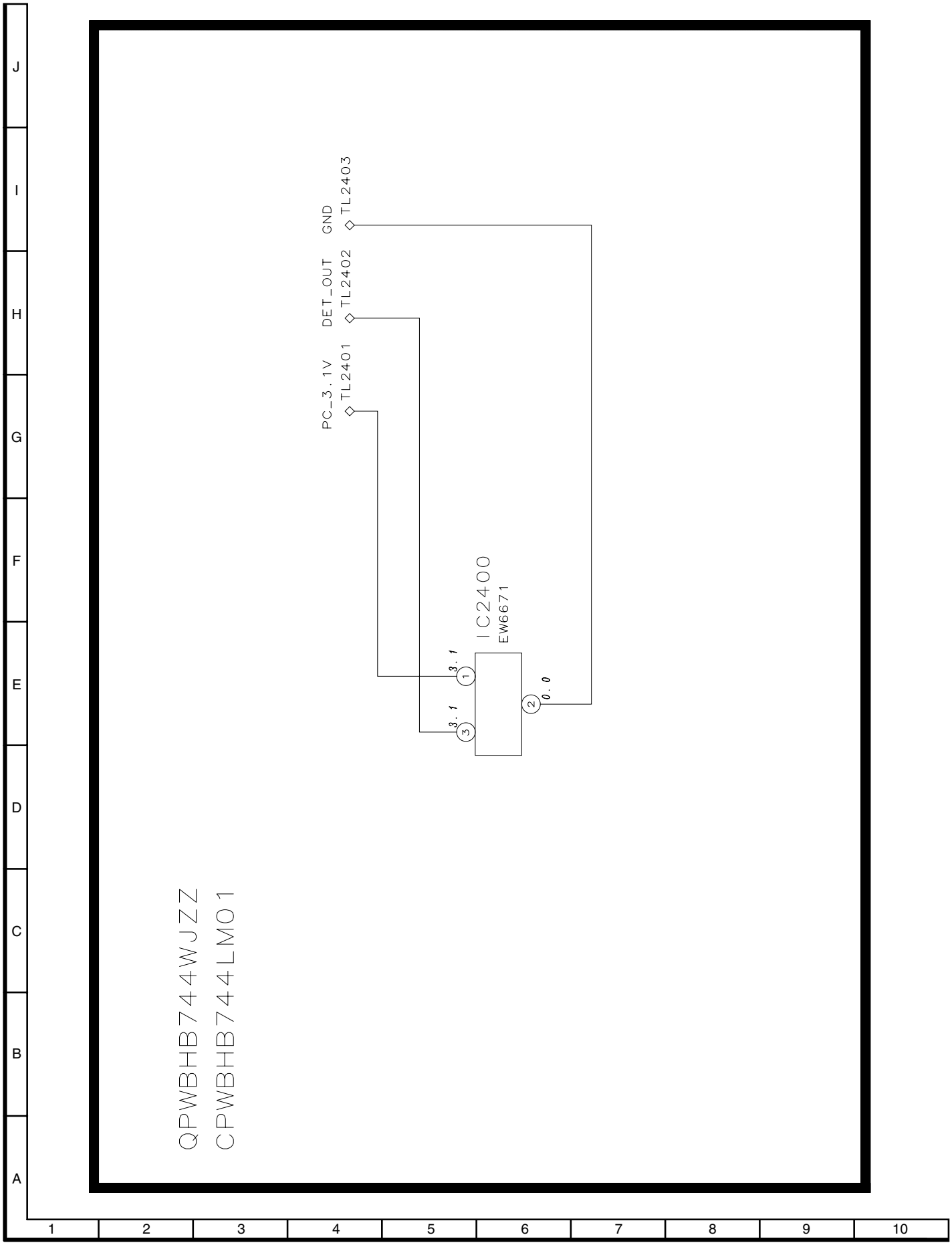
13-35. SHOE CONNECTOR SCHEMATIC DIAGRAM (VL-Z950 only)



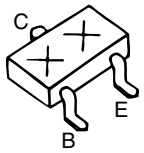
13-36. MECHA REVERSION DETECTION SCHEMATIC DIAGRAM



13-37. HOLE SENSOR UNIT SCHEMATIC DIAGRAM



14. SEMICONDUCTOR LEAD IDENTIFICATION



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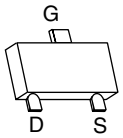
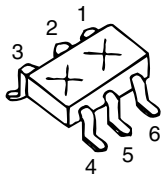


3LN01S



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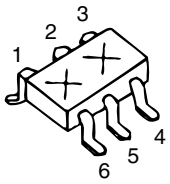

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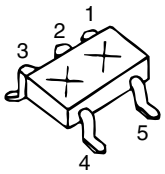

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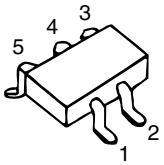

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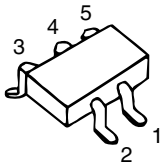

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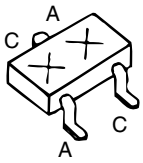

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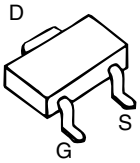

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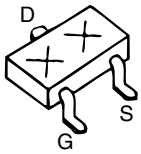

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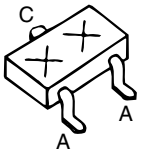

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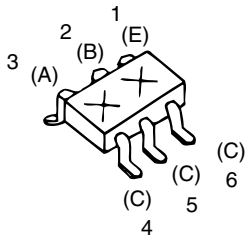

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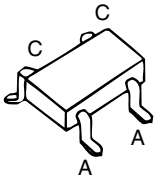

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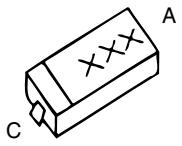

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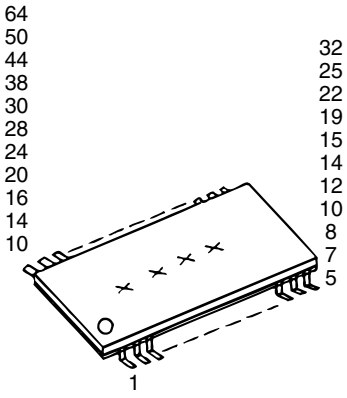

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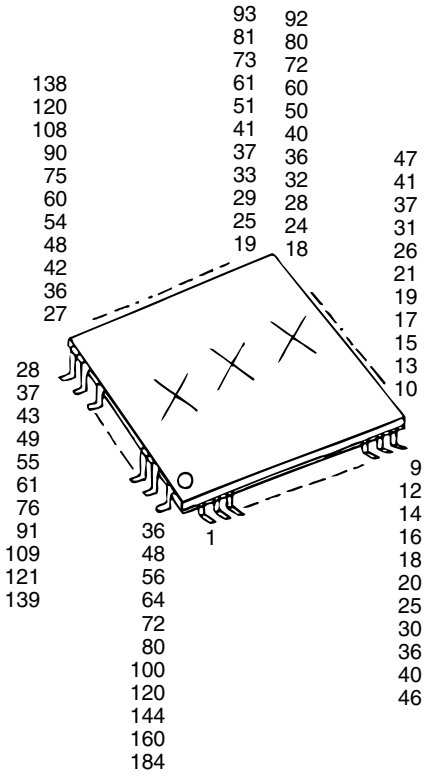

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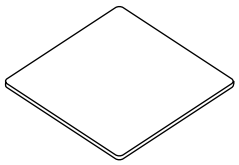

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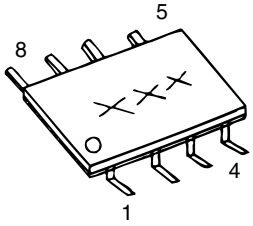

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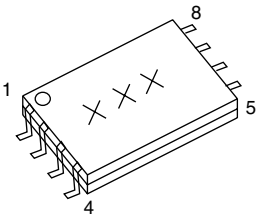

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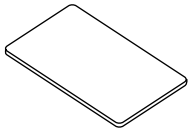
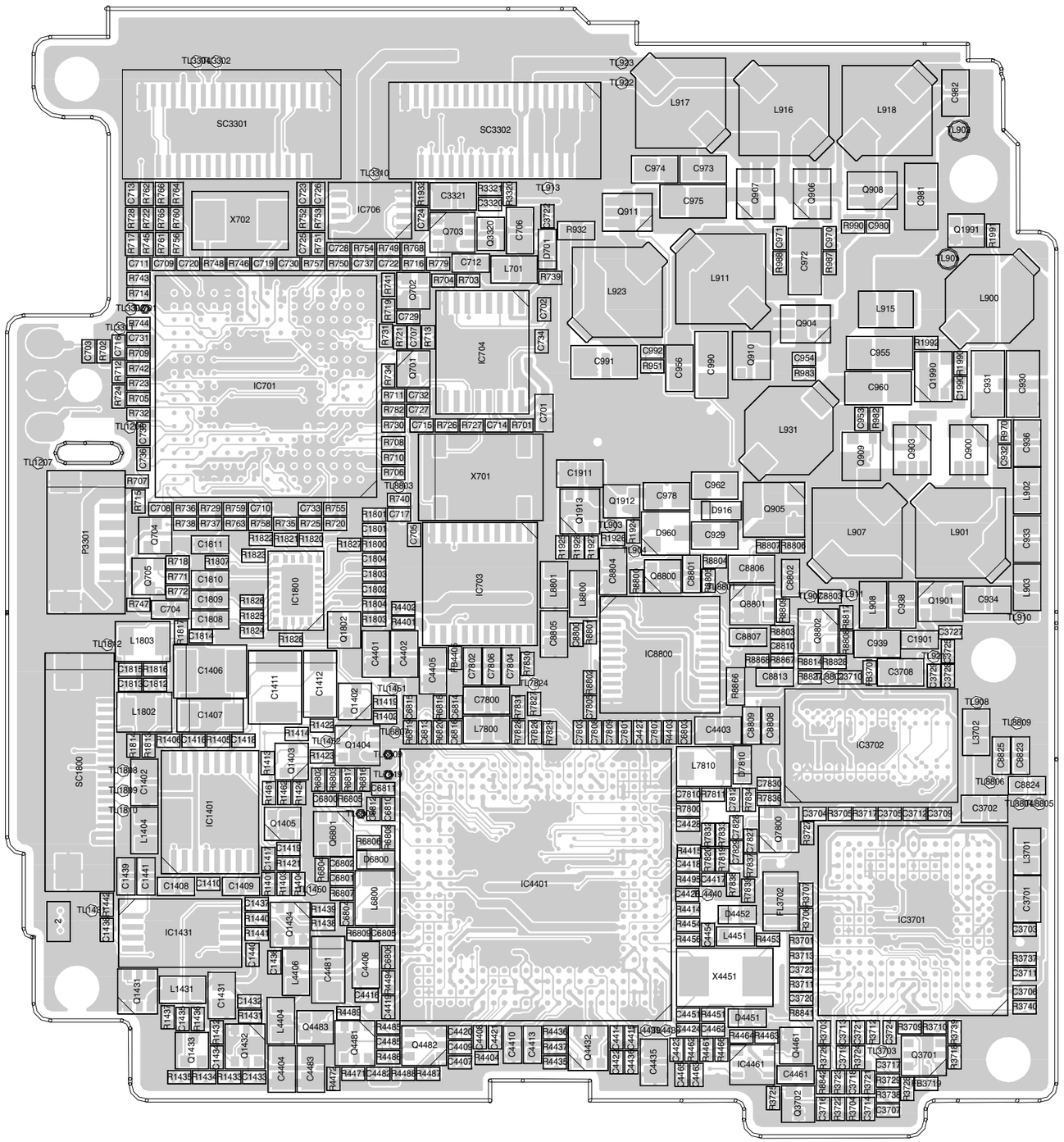


IXA550WJ
IXA320WJ

VL-Z700S-T
VL-Z800S-S/E-S/E-T/Z900H-S
VL-Z950S-S/E-A/E-S/E-T/E-W

15. PRINTED WIRING BOARD ASSEMBLIES MAIN PWB

SIDE A



VL-Z700S-T
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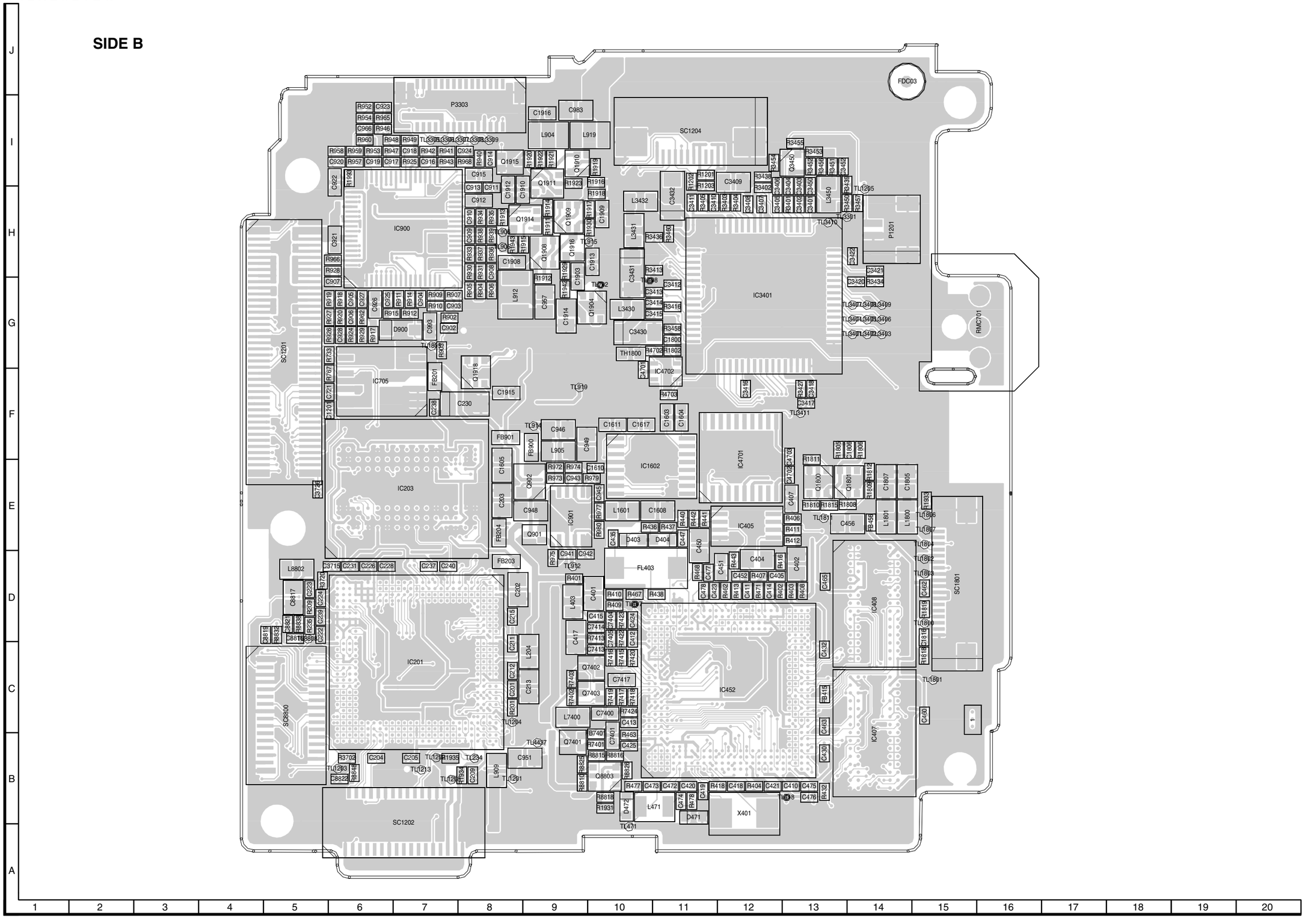
VL-Z950S-S/E-A/E-S/E-T/E-W

SIDE B



CCD PWB

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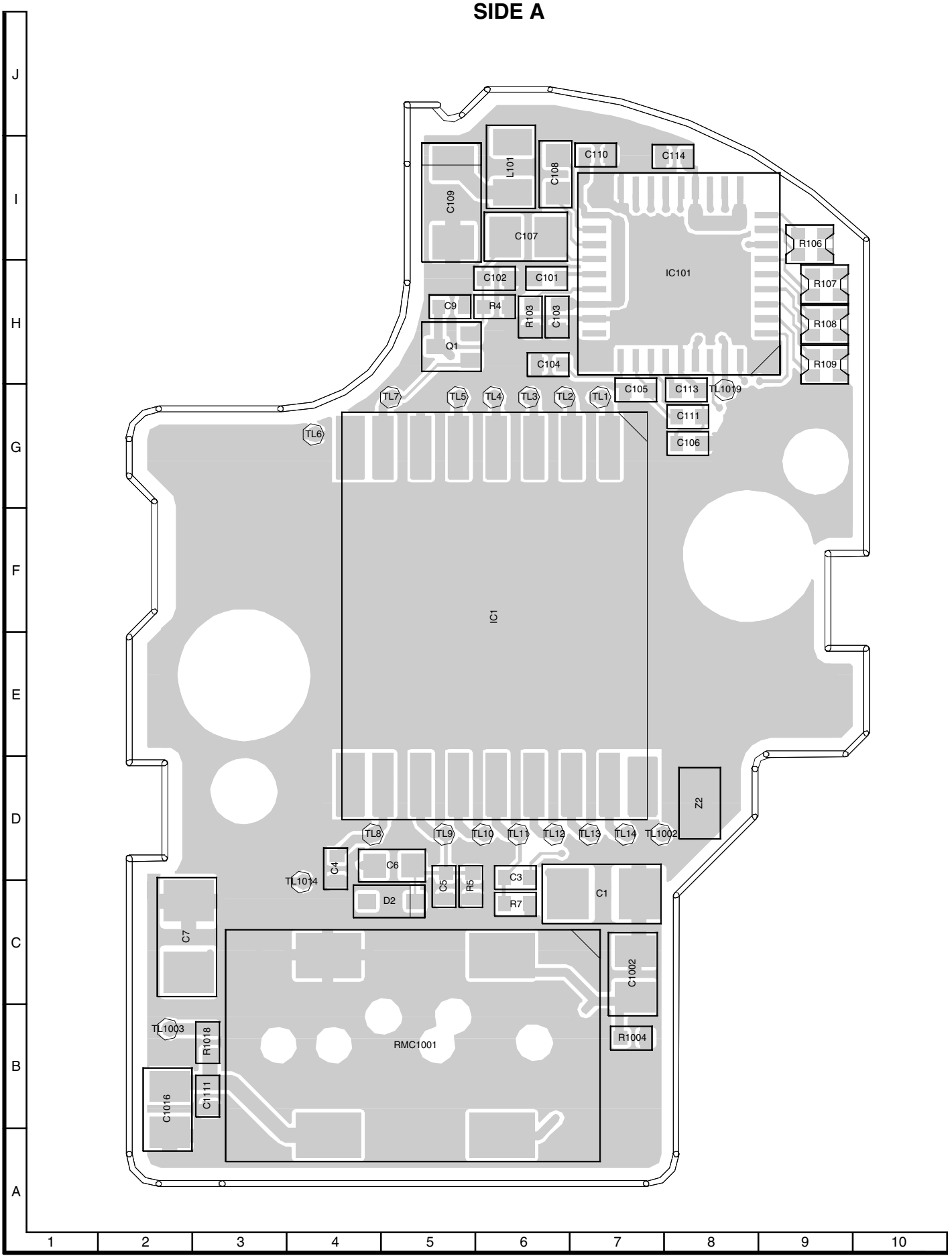

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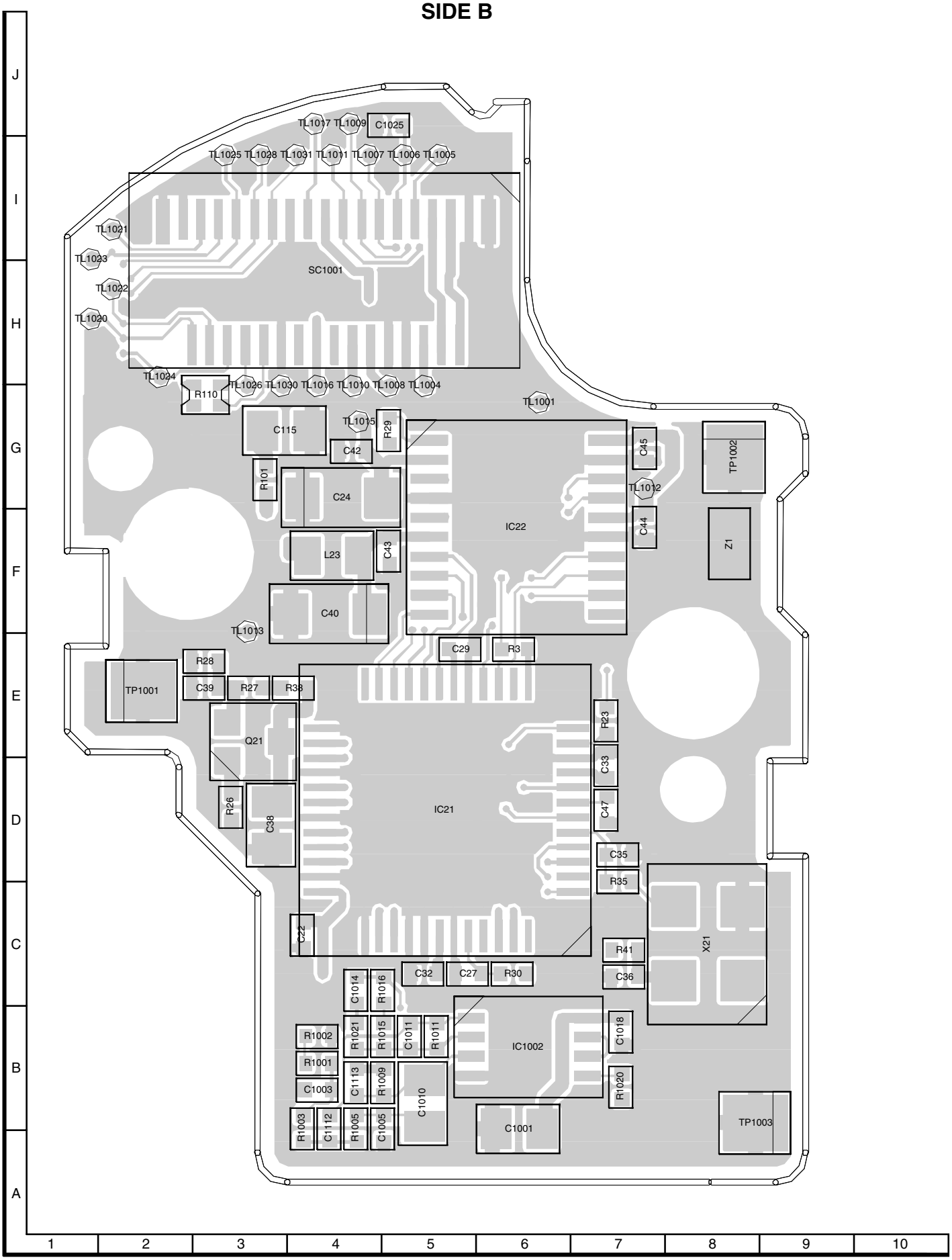
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TL1021
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SC1001
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R110
TL1026 TL1030 TL1016 TL1010 TL1008 TL1004
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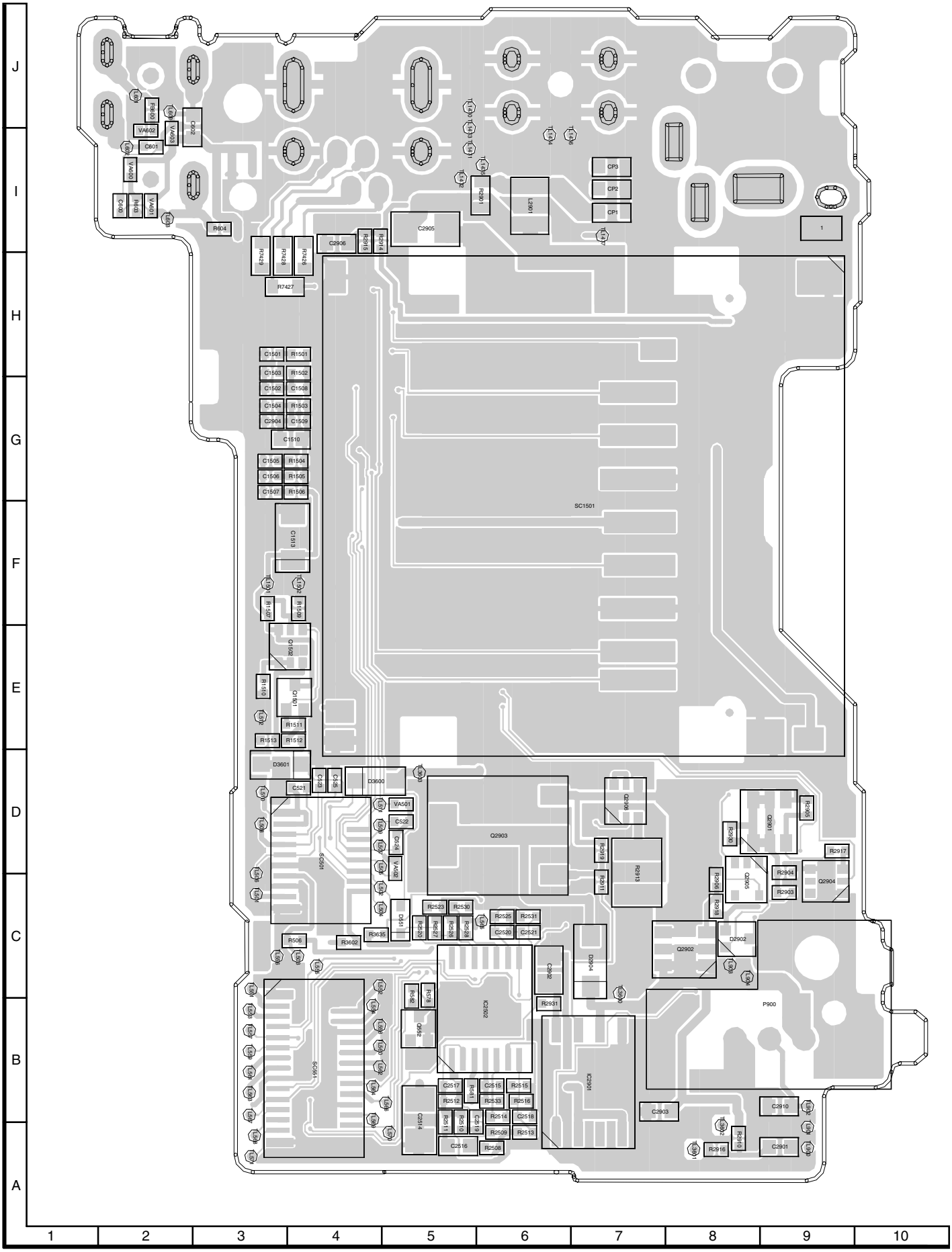
SUB PWB

SIDE A



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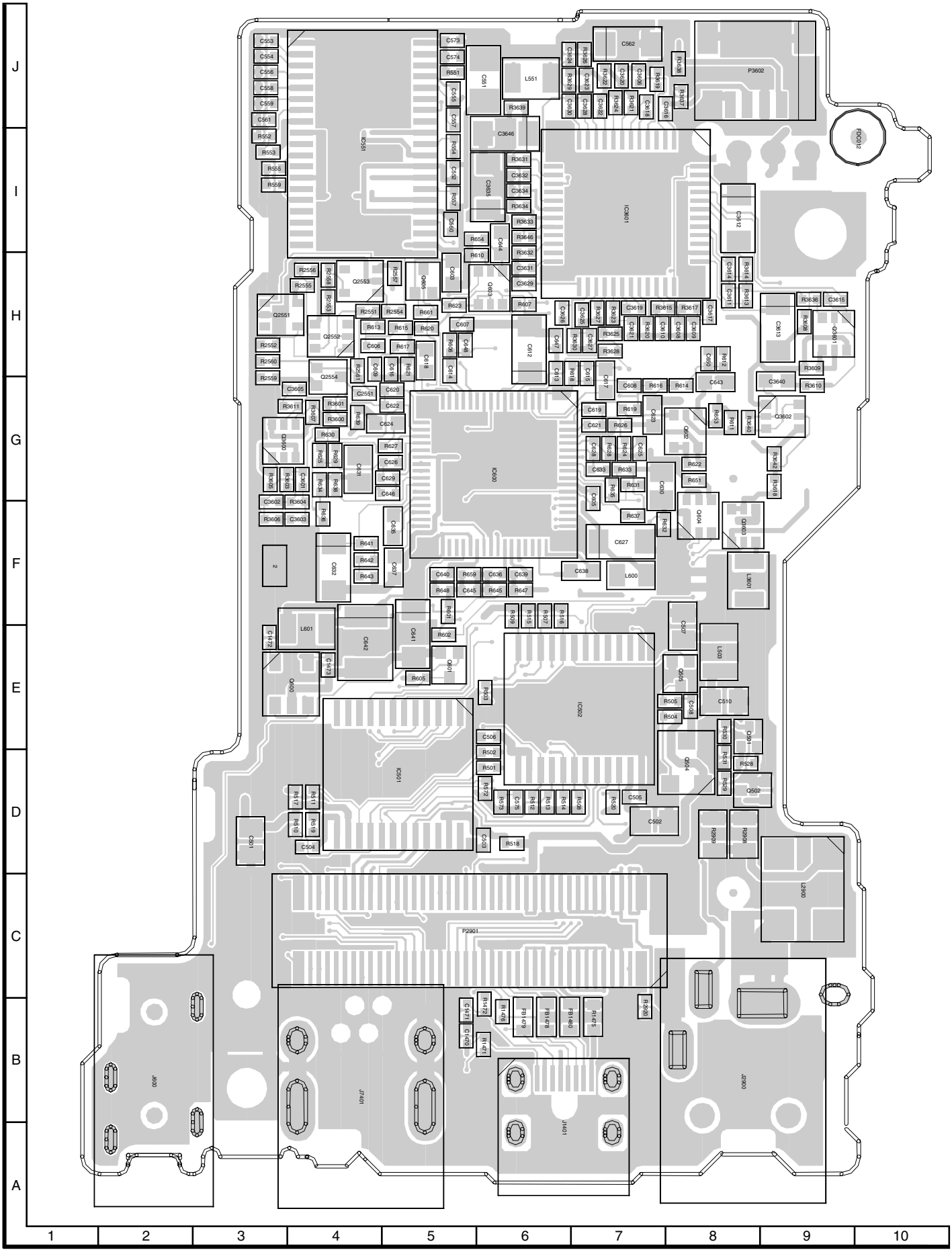
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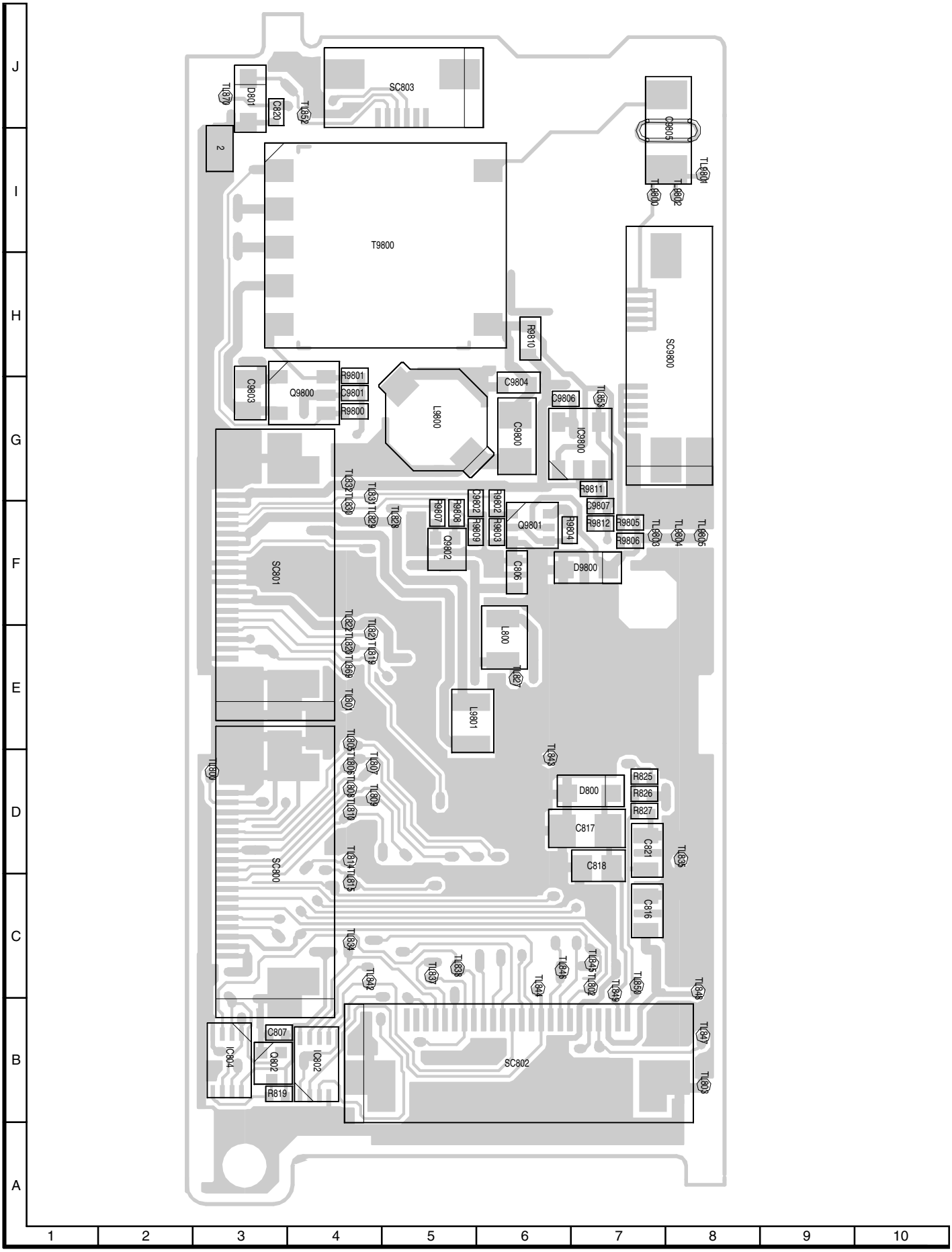
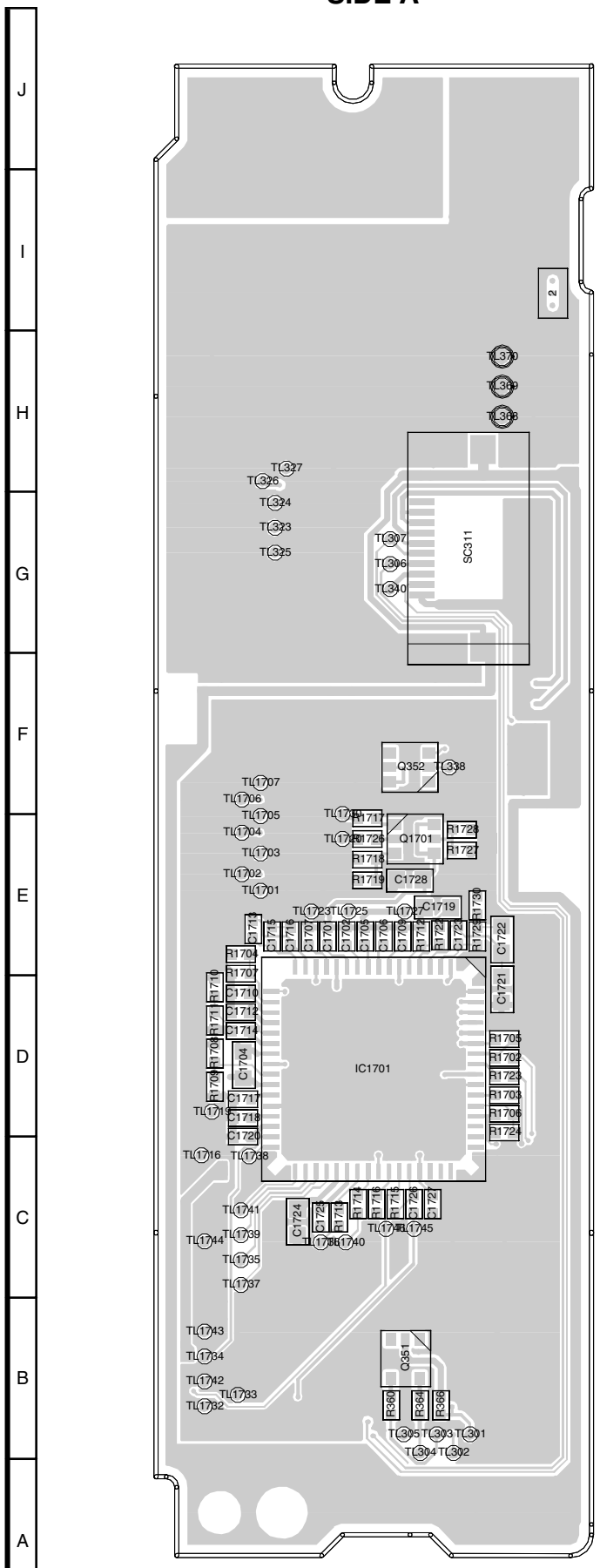
LCD PWB

SIDE A



HEAD AMP PWB

SIDE A



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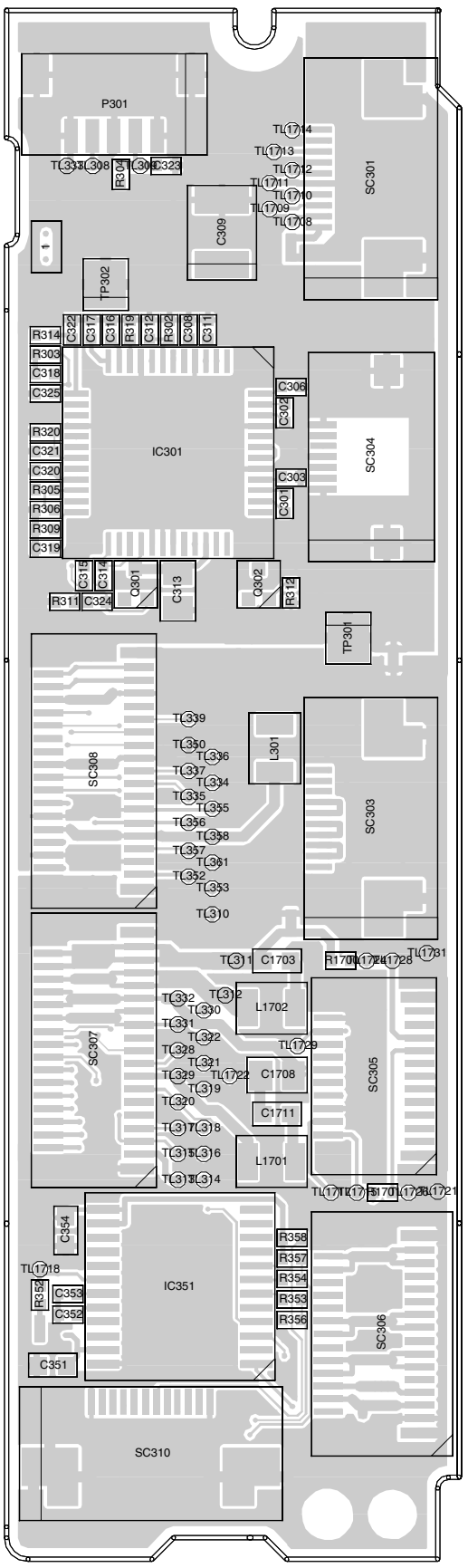
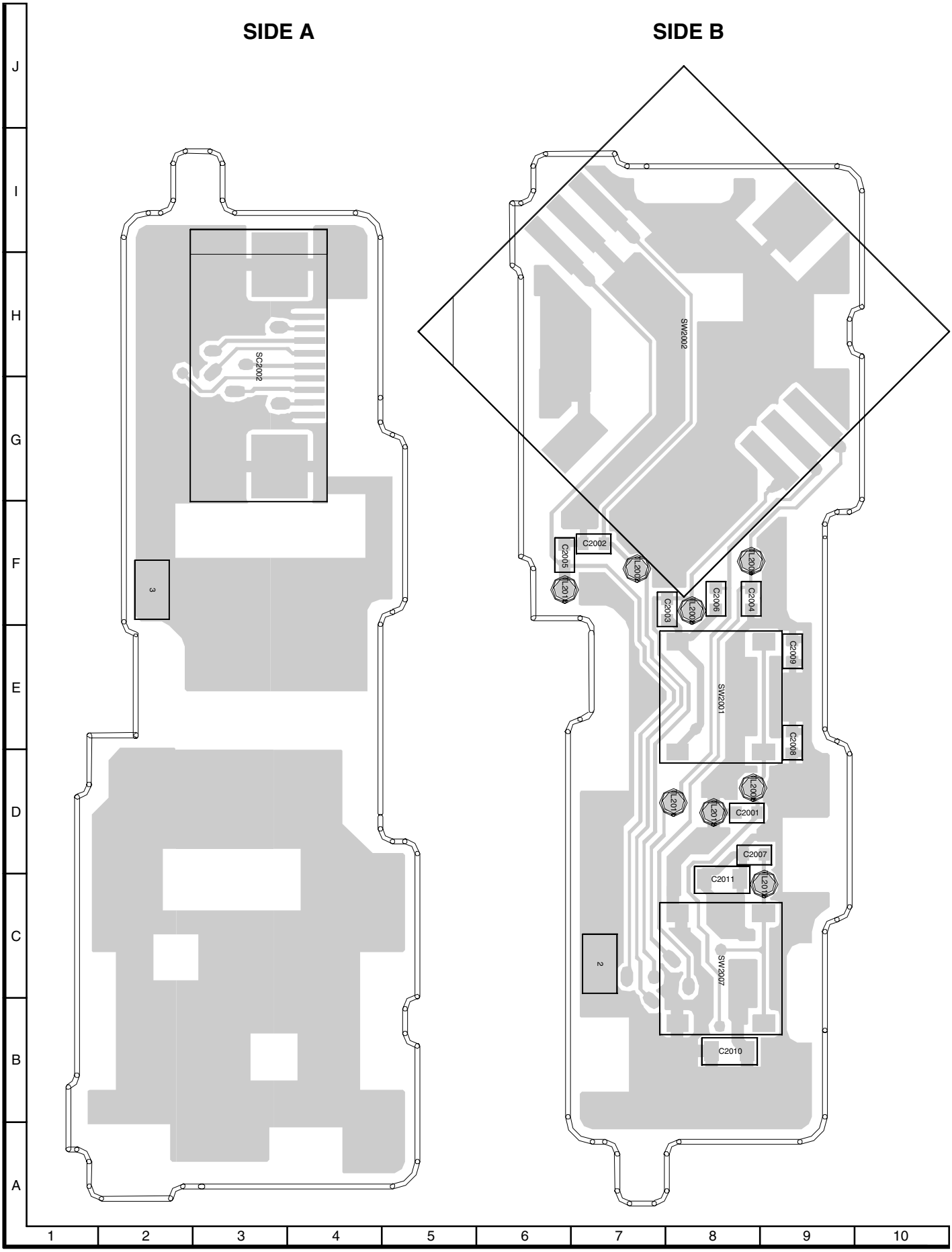
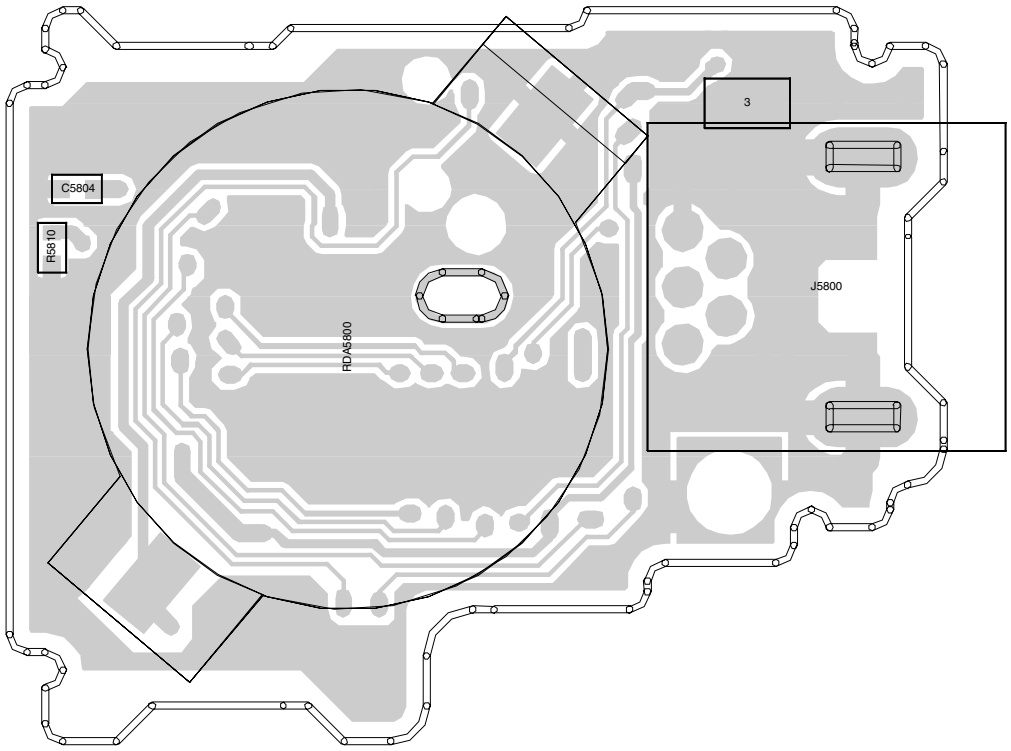


OPERATION PWB



LITHIUM PWB

SIDE A



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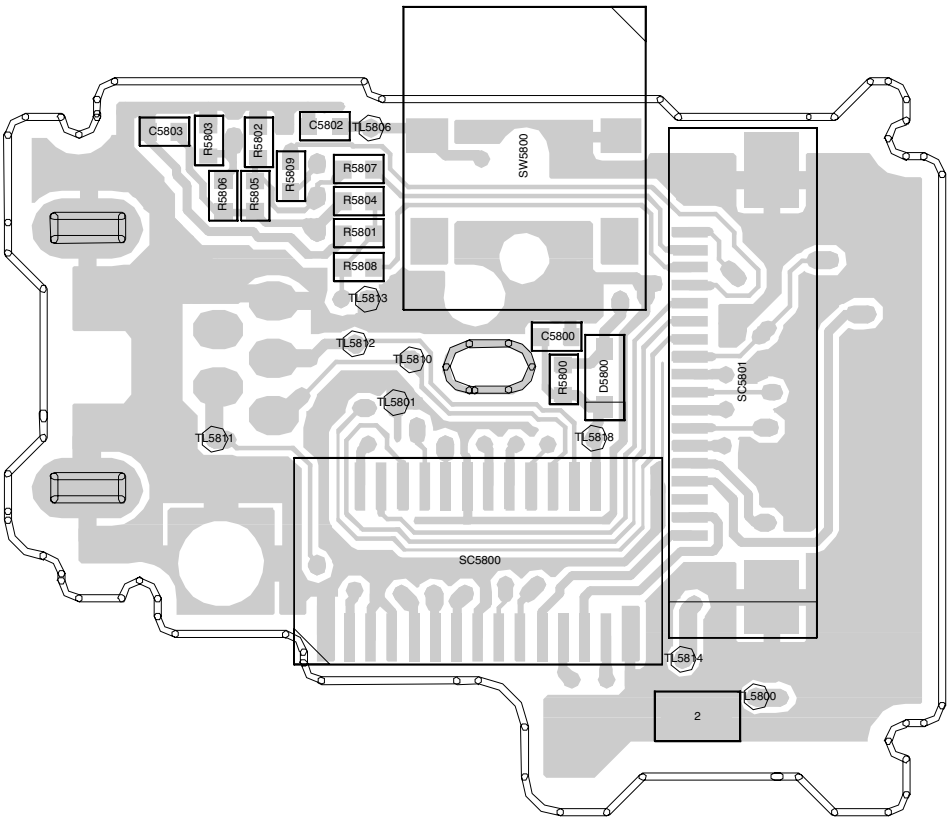
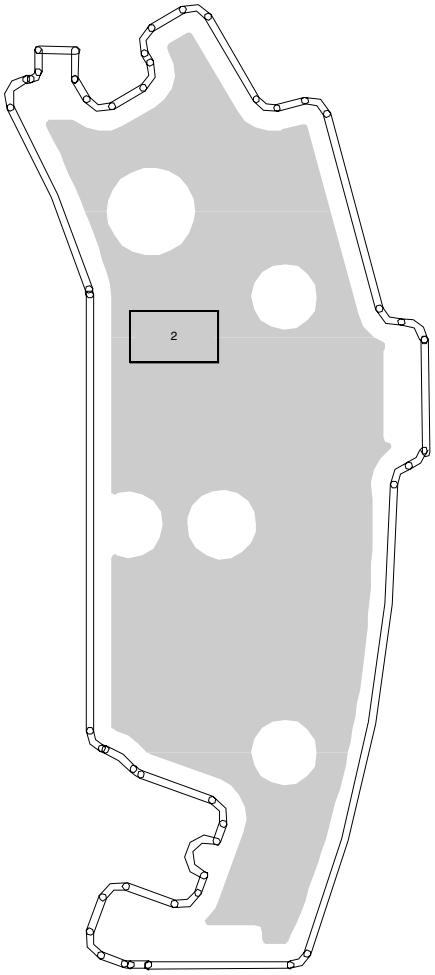


MECHA REVERSION DETECTION PWB

SIDE A



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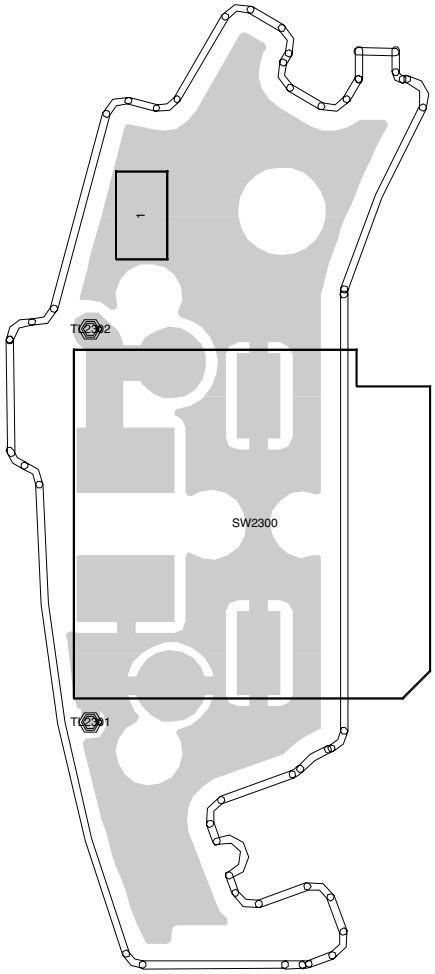
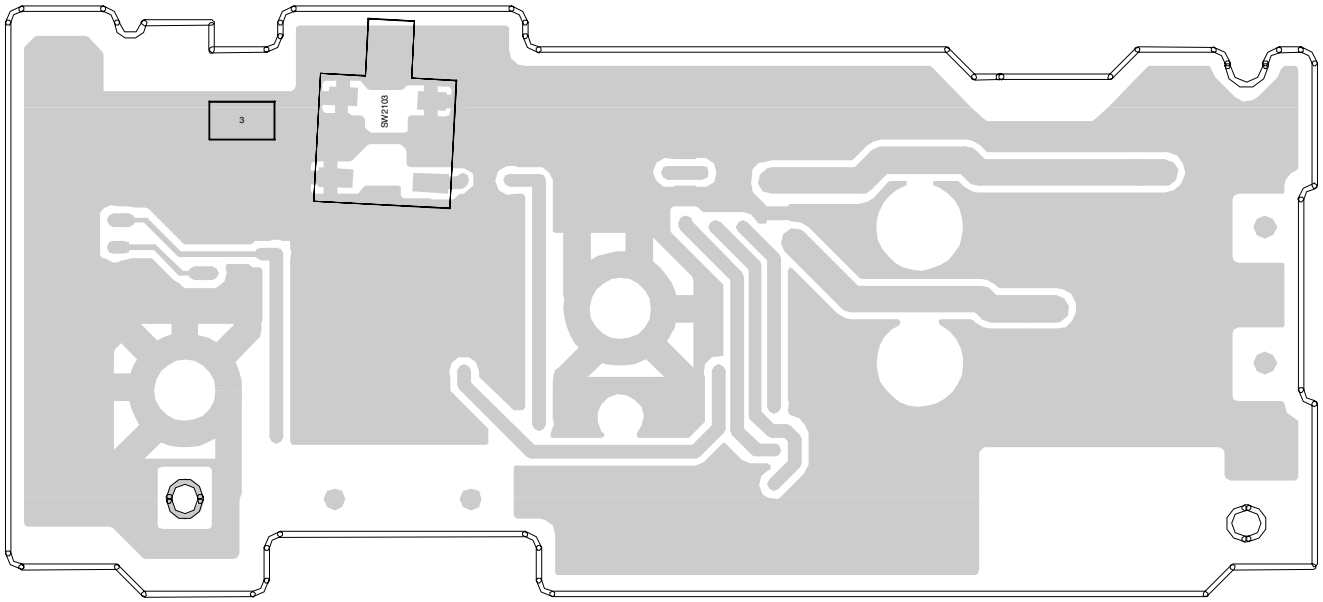


VCR OPERATION PWB

SIDE A



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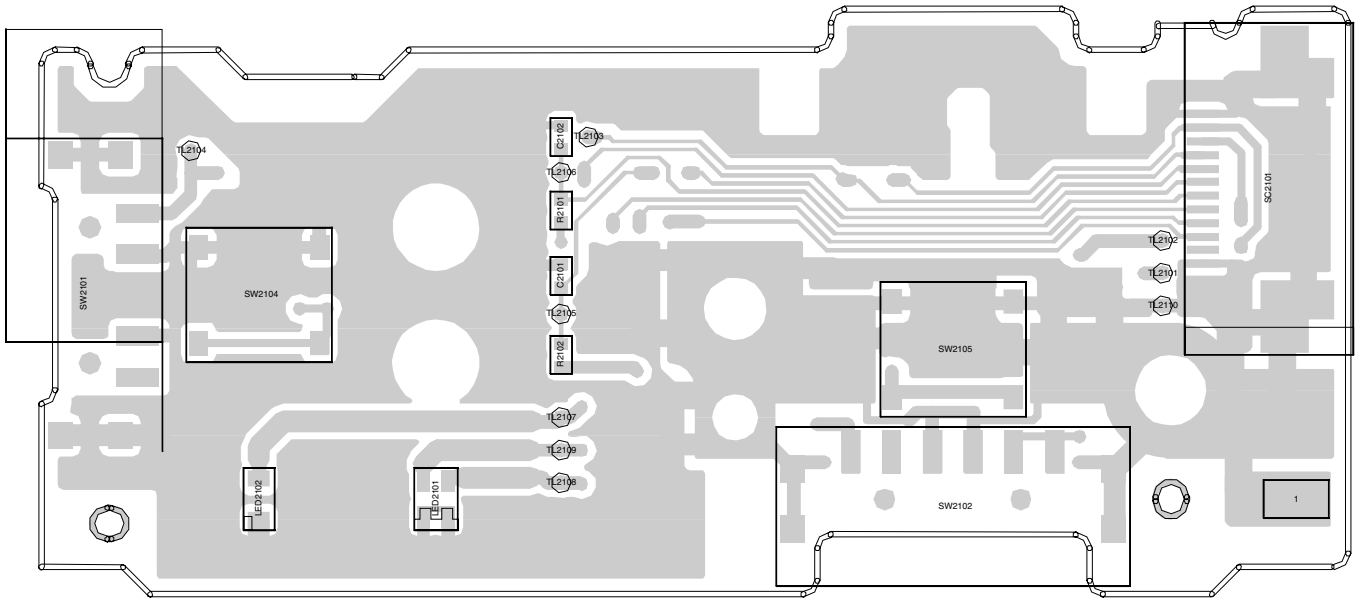
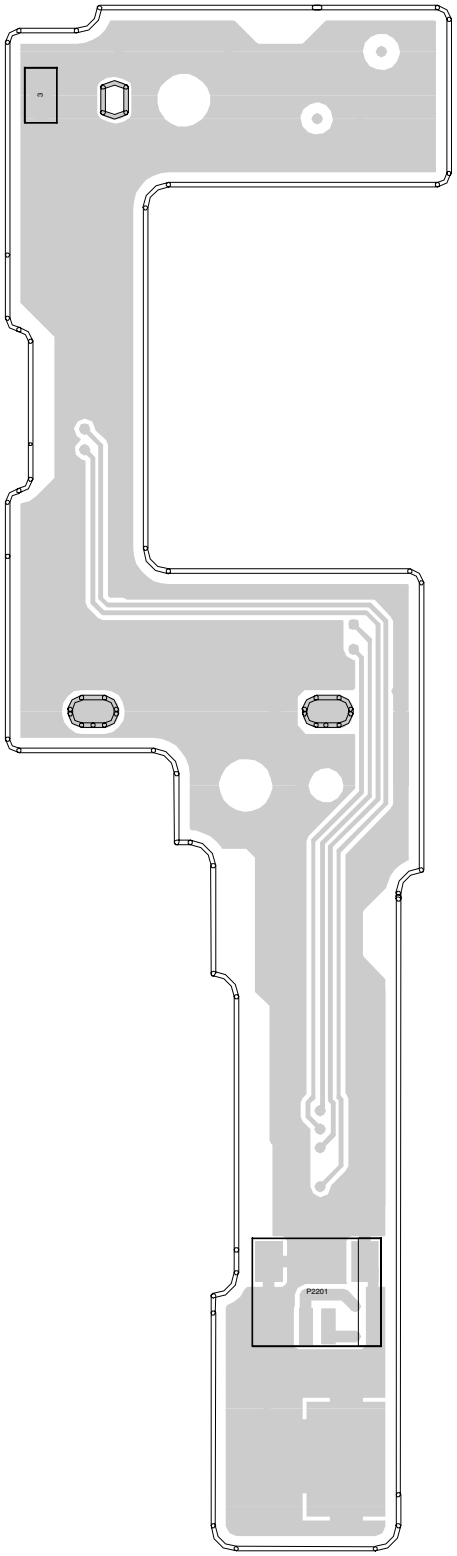
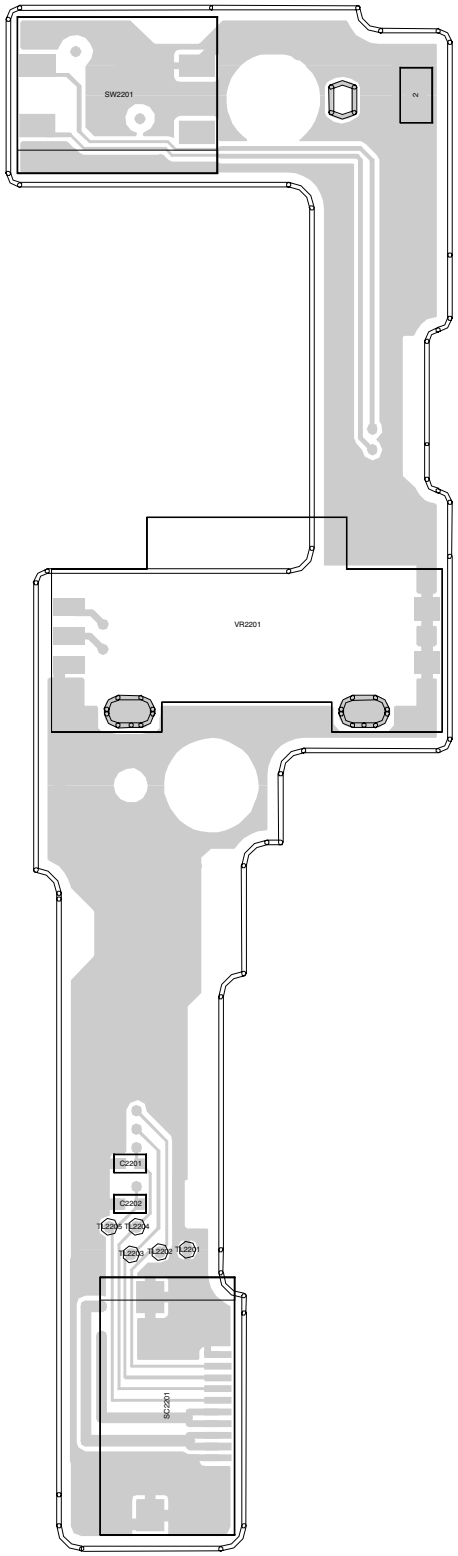


ZOOM SW PWB

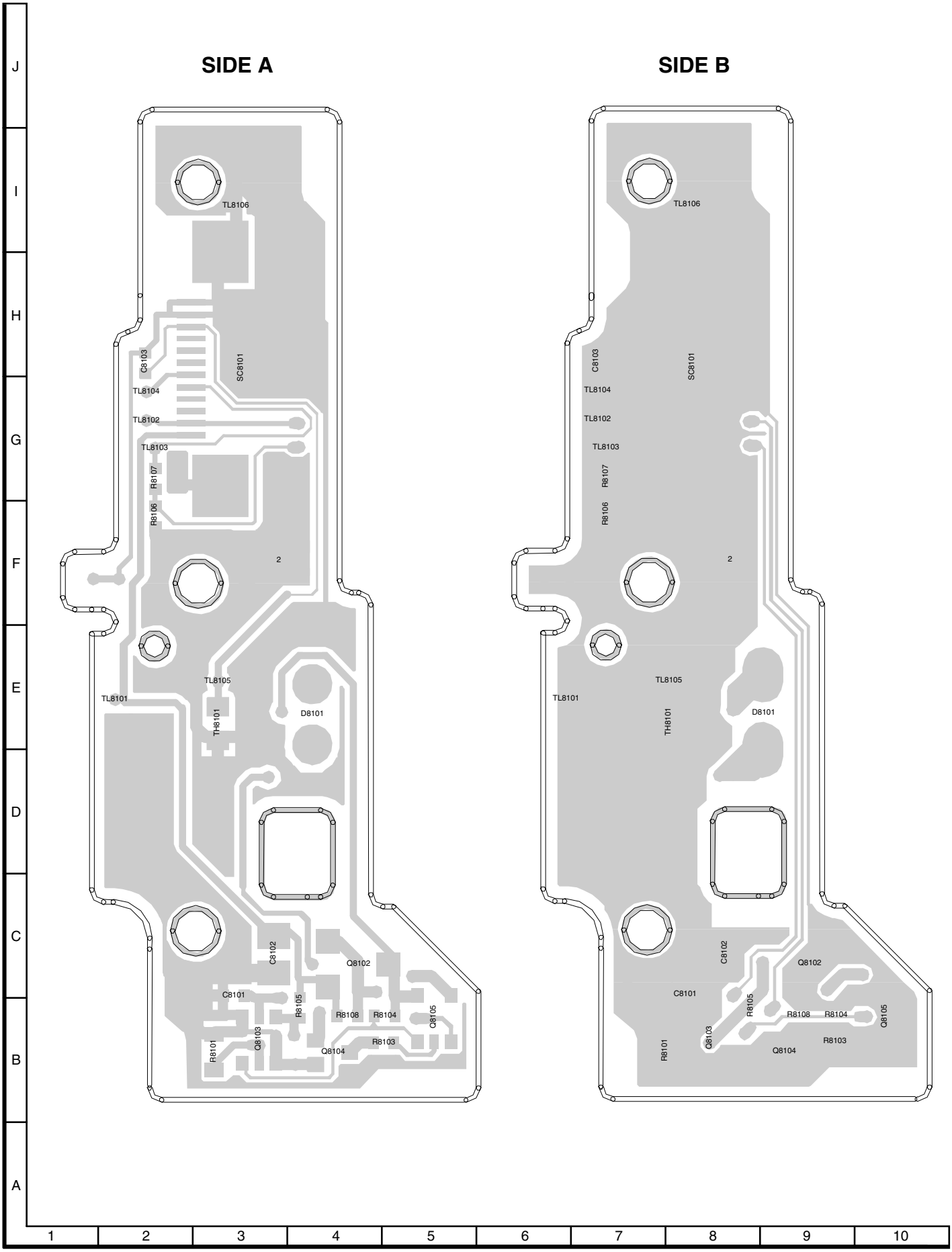
SIDE A



SIDE B

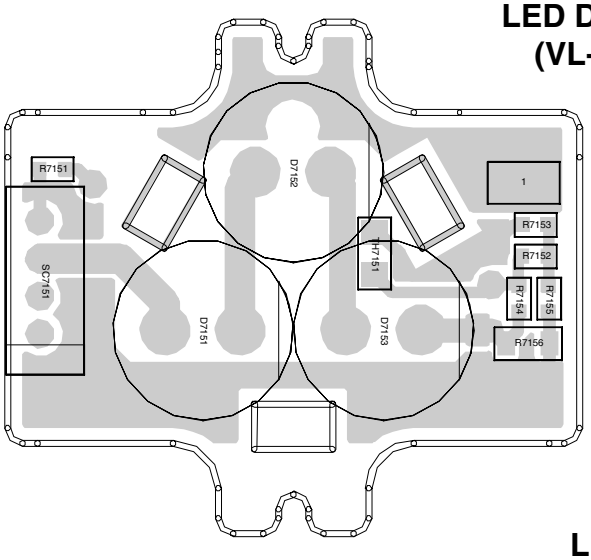


INNER LED PWB (VL-Z700/Z800 only)

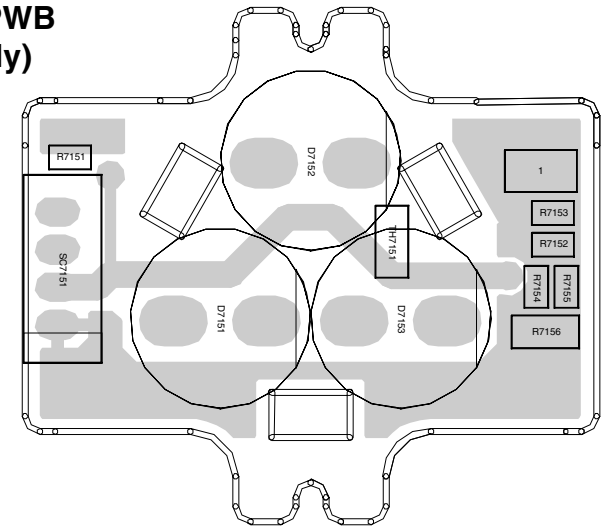


LED DRIVER PWB (VL-Z950 only)

SIDE A

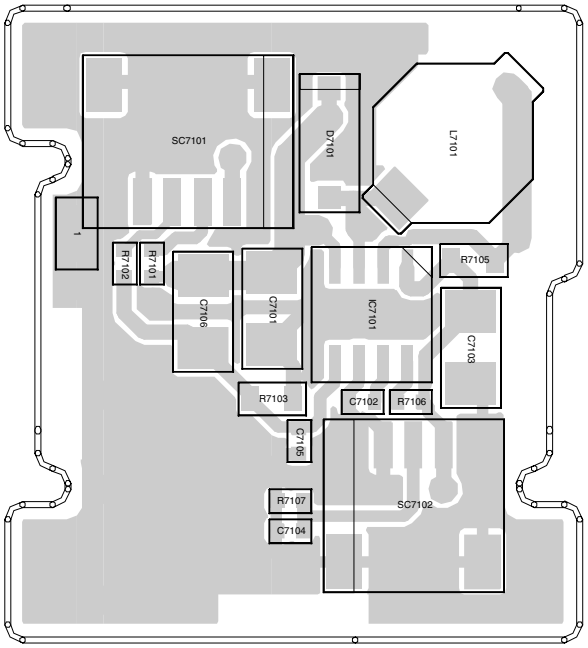


SIDE B

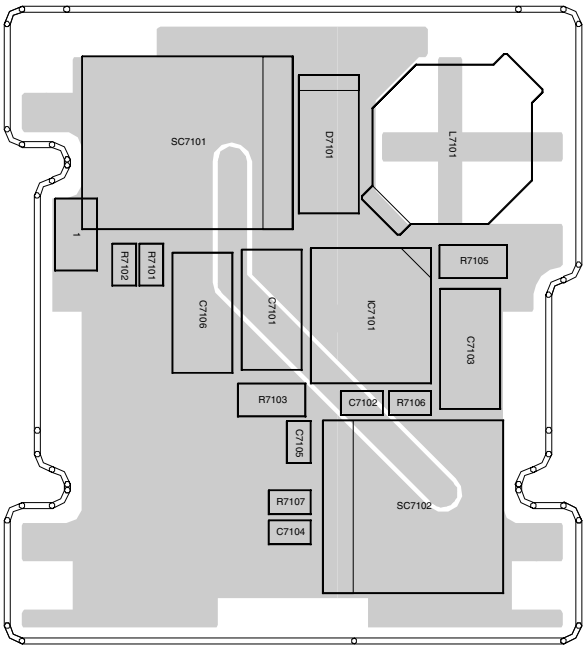


LED PWB (VL-Z950 only)

SIDE A

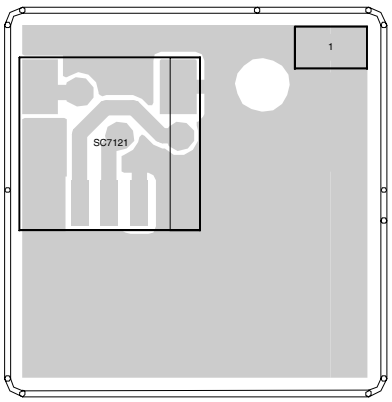


SIDE B

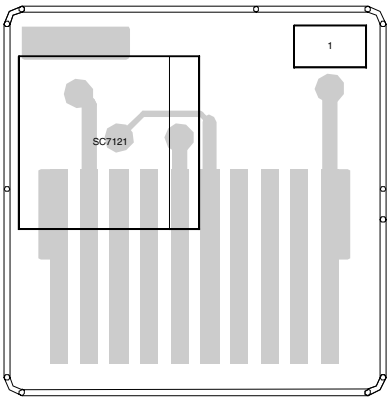


SHOE CONNECTOR PWB (VL-Z950 only)

SIDE A



SIDE B



16. REPLACEMENT PARTS LIST/ EXPLODED VIEWS

ELECTRICAL PARTS LIST

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

" HOW TO ORDER REPLACEMENT PARTS "

★MARK : SPARE PARTS-DELIVERY SECTION:ALL JAPAN

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER **2. REF. NO.**
3. PART NO. **4. DESCRIPTION**
5. PRICE CODE

⚠ MARK: SAFETY RELATED PARTS

PWB ASSEMBLY IS NOT REPLACEMENT ITEM

Ref. No.	Part No.	★	Description	Code

PRINTED WIRING BOARD ASSEMBLIES *(NOT REPLACEMENT ITEM)*

	DUNTKC362QA50		MAIN PWB Unit (VL-Z950S-S/S-S(AS)) —
	DUNTKC362QA52		MAIN PWB Unit (VL-Z800S-S/S-S(AS)) —
	DUNTKC362QA53		MAIN PWB Unit (VL-Z950S-S(RS)) —
	DUNTKC362QA54		MAIN PWB Unit (VL-Z950E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W) —
	DUNTKC362QA55		MAIN PWB Unit (VL-Z900H-S) —
	DUNTKC362QA56		MAIN PWB Unit (VL-Z800S-S(RS)) —
	DUNTKC362QA58		MAIN PWB Unit (VL-Z800E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)) —
	DUNTKC362QA62		MAIN PWB Unit (VL-Z700S-T) —
	DUNTKC365QA50		CCD PWB Unit —
	DUNTKC367QA50		SUB PWB Unit (VL-Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W) —
	DUNTKC367QA51		SUB PWB Unit (VL-Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)) —
	DUNTKC367QA52		SUB PWB Unit (VL-Z700S-T) —
	DUNTKC118QA01		LCD PWB Unit —
	DUNTKC369QA00		Head Amp Unit —
	DUNTKC370PM00		OPERATION PWB Unit —
	DUNTKC371PM00		LITHIUM PWB Unit —
	DUNTKC372PM00		MECHA REVERSION DETECTION PWB Unit —
	DUNTKC373PM00		VCR OPERATION PWB Unit —
	DUNTKC374PM00		ZOOM SW Unit —
	DUNTKC375PM20		INNER LED PWB Unit (VL-Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)) —
	DUNTKC395PM00		LED DRIVER PWB Unit (VL-Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W) —
	DUNTKC396PM00		LED PWB Unit (VL-Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W) —
	DUNTKC397PM00		SHOE CONNECTOR PWB Unit(VL-Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W) —

DUNTKC362QA50(VL-Z950S-S/S-S(AS))
DUNTKC362QA52(VL-Z800S-S/S-S(AS))
DUNTKC362QA53(VL-Z950S-S(RS))
DUNTKC362QA54(VL-Z950E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)
DUNTKC362QA55(VL-Z900H-S)
DUNTKC362QA56(VL-Z800S-S(RS))
DUNTKC362QA58(VL-Z800E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))
DUNTKC362QA62(VL-Z700S-T)
MAIN PWB UNIT

INTEGRATED CIRCUITS

IC201	RH-iX0785TAZZQ	IX0785TA, CAMENG	BL
IC203	RH-iXA320WJZZQ	IXA320WJ	BC
IC405	VHiLMV358AU-1Y	LMV358AU, DC Amp	AF
IC407	RH-iXA550WJZZY	IXA550WJ, Codec External Memory	AU
IC408	RH-iXA550WJZZY	IXA550WJ, ECC External Memory	AU
IC452	RH-iX0809TAZZQ	IX0809TA, Codec/ECC/PCM/CLK.Gen/DIF	BM
IC701	RH-iXA878WJZZQ	IXA878WJ, Mec/System Micon	BB
IC703	RH-iXA883WJZZY	IXA883WJ, Character Generator	AM
IC704	VHiR2101S01-1Y	R2101S01	AH
IC705	VHiBR24L64F-1Y	BR24L64F, E²PROM	AK
IC706	VHiNJM2143R-1Y	NJM2143R	AE
IC900	VHiMB3881++-1Y	MB3881++, Power_CTL	AT
IC901	VHiNJM2143R-1Y	NJM2143R, 2.8V/2.5V Reg	AE
IC1401	VHiLA73070V-1Y	LA73070V, Video Out	AK
IC1431	VHiNJM2535V-1Y	NJM2535V, Video In SW	AE
IC1602	VHiPCM3008+-1Y	PCM3008+, 16Bit ADC/DAC	AN
IC1800	VHiMM1686XC-1Y	MM1686XC, LCD Interface	AR
IC3401	VHiLC74130W-1Y	LC74130W	AZ
IC3701	RH-iXA879WJZZQ	IXA879WJ, Camera/Card Micro Computer	BE
IC3702	RH-iXA550WJZZY	IXA550WJ, ECC External Memory	AU
IC4401	RH-iXA204WJZZQ	IXA204WJ, Digital ADC/DAC Decoder/Encoder	BB
IC4461	VHi7SB3157P-1Y	7SB3157P	AE
IC4701	VHiMB8346BV-1Y	MB8346BV	AN
IC8800	VHiMM1323XV-1Y	MM1323XV, VF Interface	AN

TRANSISTORS

Q701	VSRT1N144U/-1Y	RT1N144U	AB
Q702	VSKTA2014EY-1Y	KTA2014EY	AB
Q704	VSKTA2014EY-1Y	KTA2014EY	AB
Q705	VSKTA2014EY-1Y	KTA2014EY	AB
Q900	VSMCH6731++-1Y	MCH6731++	AD
Q901	VS15C01SS++-1Y	15C01SS++	AC
Q902	VS12A01M+++-1Y	12A01M+++	AC
Q903	VSMCH6731++-1Y	MCH6731++	AD
Q904	VSMCH6731++-1Y	MCH6731++	AD
Q905	VSFMMT619//-1Y	FMMT619	AE
Q906	VSMCH6731++-1Y	MCH6731++	AD

Ref. No.	Part No.	★	Description	Code
Q907	VSMCH6731++-1Y		MCH6731++	AD
Q908	VSMCH6731++-1Y		MCH6731++	AD
Q909	VSMCH3405++-1Y		MCH3405++	AD
Q910	VSMCH3405++-1Y		MCH3405++	AD
Q911	VSMCH6731++-1Y		MCH6731++	AD
Q1402	VS2SC5376B+-1Y		2SC5376B+ (with out Z700S-T)	AC
Q1403	VS2SC5376B+-1Y		2SC5376B+ (with out Z700S-T)	AC
Q1404	VSKRX203U++-1Y		KRX203U++ (with out Z700S-T)	AB
Q1405	VS2SC5376B+-1Y		2SC5376B+ (with out Z700S-T)	AC
Q1431	VSXP0431N++-1Y		XP0431N++	AB
Q1432	VSKTX101UY+-1Y		KTX101UY+ (with out Z700S-T)	AB
Q1433	VSKTC4075EY-1Y		KTC4075EY (with out Z700S-T)	AB
Q1434	VSXP6401///-1Y		XP6401	AC
Q1800	VSKTX101UY+-1Y		KTX101UY+	AB
Q1801	VSKTX101UY+-1Y		KTX101UY+	AB
Q1802	VSKRC404E++-1Y		KRC404E++	AB
Q1901	VSXP4316///-1Y		XP4316	AC
Q1904	VSKRX203U++-1Y		KRX203U++	AB
Q1908	VSKTA701UY+-1Y		KTA701UY+	AB
Q1909	VSKTC801UY+-1Y		KTC801UY+	AC
Q1910	VS2SA1989R/-1Y		2SA1989R	AB
Q1911	VSKTC801UY+-1Y		KTC801UY+	AC
Q1912	VSKTC4075EY-1Y		KTC4075EY	AB
Q1913	VSXP6401///-1Y		XP6401	AC
Q1914	VSKTC801UY+-1Y		KTC801UY+	AC
Q1915	VSKRC404E++-1Y		KRC404E++	AB
Q1916	VSKTC4075EY-1Y		KTC4075EY	AB
Q1918	VSKRX203U++-1Y		KRX203U++	AB
Q1990	VSMCH6303++-1Y		MCH6303++ (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	
Q1991	VSKRC404E++-1Y		KRC404E++ (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AB
Q3320	VS15C01SS++-1Y		15C01SS++	AC
Q3701	VSKRX203U++-1Y		KRX203U++	AB
Q3702	VSKTA2014EY-1Y		KTA2014EY	AB
Q4432	VSXP6401///-1Y		XP6401	AC
Q4461	VSKRC404E++-1Y		KRC404E++	AB
Q4481	VSKTX101UY+-1Y		KTX101UY+	AB
Q4482	VSKTX101UY+-1Y		KTX101UY+	AB
Q4483	VSKRC404E++-1Y		KRC404E++ (with out Z700S-T)	AB
Q6801	VSKTC601UY+-1Y		KTC601UY+	AC
Q7401	VSKTC4075EY-1Y		KTC4075EY	AB
Q7402	VSKRC404E++-1Y		KRC404E++	AB
Q7403	VSKTC4075EY-1Y		KTC4075EY	AB
Q7800	VSKTC601UY+-1Y		KTC601UY+	AC
Q8800	VS3LN01S///-1Y		3LN01S	AC
Q8801	VSKTX101UY+-1Y		KTX101UY+	AB
Q8802	VSKTX101UY+-1Y		KTX101UY+	AB
Q8803	VSKTX101UY+-1Y		KTX101UY+	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D403	VHDHVC362//-1Y		HVC362 (with out Z700S-T)	AD
D404	VHDHVC362//-1Y		HVC362 (with out Z700S-T)	AD
D471	VHDHVC362//-1Y		HVC362	AD
D472	VHCMA2S304+-1Y		CMA2S304+	
D701	VHD1SS400++-1Y		1SS400++	AB
D900	RH-EX1394CEZZY		Zener Diode, EX1394CE	AB
D916	VHD1SS400++-1Y		1SS400++	AB
D960	VHDDAN217U+-1Y		DAN217U+	AB
D4451	VHDHVC375B+-1Y		HVC375B+	AD
D4452	VHDHVC375B+-1Y		HVC375B+	AD
D6800	VHDHVC202A+-1Y		HVC202A+	AC
D7810	VHDHVC202A+-1Y		HVC202A+	AC

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X401	RCRSC0160TAZZY		Crystal, CRSC0160TA	AH
X701	RCRSCA054WJZZY		Crystal, CRSCA054WJ	AE
X702	RCRSC0189TAZZY		Crystal, CRSC0189TA	AK
X4451	RCRSCA048WJZZY		Crystal, CRSCA048WJ	AH

COILS

Ref. No.	Part No.	★	Description	Code
FL403	RFiLC0164TAZZY		Filter, FiLC0164TA (with out Z700S-T)	AG
FL3702	RFiLZA014WJZZY		Filter, FiLZA014WJ (with out Z700S-T)	AF
L204	VPCEM470M3R7NY		Peaking, 47µH	AC
L403	VPCEM4R7MR40NY		Peaking, 4.7µH	AC
L471	VPD9M8R2J2R0NY		Peaking, 8.2µH	AC
L701	VPCEM100MR70NY		Peaking, 10µH	AC
L900	RCiLPA139WJZZY		Coil, 22µH	AD
L901	RCiLPA010WJZZY		Coil, 15µH	AD
L902	VPCEM2R2MR23NY		Peaking, 2.2µH	AC
L903	VPCEM2R2MR23NY		Peaking, 2.2µH	AC
L904	VPCLN2R2MR13NY		Peaking, 2.2µH	AB
L905	VPCEM2R2MR23NY		Peaking, 2.2µH	AC
L907	RCiLPA010WJZZY		Coil, 15µH	AD
L908	VPCEM2R2MR23NY		Peaking, 2.2µH	AC
L909	VPCEM2R2MR23NY		Peaking, 2.2µH	AC
L911	RCiLPA010WJZZY		Coil, 15µH	AD
L912	VPCCM2R2MR09NY		Peaking, 2.2µH	AC
L915	VPCLN2R2MR13NY		Peaking, 2.2µH	AB
L916	RCiLPA012WJZZY		Coil, 33µH	AD
L917	RCiLPA012WJZZY		Coil, 33µH	AD
L918	RCiLPA010WJZZY		Coil, 15µH	AD
L919	VPCLN2R2MR13NY		Peaking, 2.2µH	AB
L923	RCiLPA010WJZZY		Coil, 15µH	AD
L931	RCiLPA171WJZZY		Coil, 22µH	AD
L1404	VPCEM470M3R7NY		Peaking, 47µH	AC
L1431	VPCEM470M3R7NY		Peaking, 47µH	AC
L1601	VPCEM100MR70NY		Peaking, 10µH	AC
L1800	VPCEM470M3R7NY		Peaking, 47µH	AC
L1801	VPCEM470M3R7NY		Peaking, 47µH	AC
L3430	VPCEM4R7MR40NY		Peaking, 4.7µH	AC
L3432	VPCEM4R7MR40NY		Peaking, 4.7µH	AC
L3701	VPCEM4R7MR40NY		Peaking, 4.7µH	AC
L3702	VPCEM4R7MR40NY		Peaking, 4.7µH	AC
L4404	VPCEM100MR70NY		Peaking, 10µH	AC
L4406	VPCEM100MR70NY		Peaking, 10µH	AC
L4451	RCiLPA127WJZZY		Coil, CiLPA127WJ	AC
L6800	VPD9M6R8J1R8NY		Peaking, 6.8µH	AC
L7400	VPCEM100MR70NY		Peaking, 10µH	AC
L7800	VPCEM100MR70NY		Peaking, 10µH	AC
L7810	VPD9M180J2R4NY		Peaking, 18µH	AC
L8800	VPCEM470M3R7NY		Peaking, 47µH	AC
L8801	VPCEM470M3R7NY		Peaking, 47µH	AC
L8802	VPCEM470M3R7NY		Peaking, 47µH	AC

CAPACITORS

Ref. No.	Part No.	★				Code
C202	RC-KZA030WJZZY		2.2	10V	Ceramic	AB
C203	RC-KZA030WJZZY		2.2	10V	Ceramic	AB
C204	VCKYCZ1EB103KY		0.01	25V	Ceramic	AA
C205	VCKYCZ1EB103KY		0.01	25V	Ceramic	AA
C209	VCKYCZ1AB104KY		0.1	10V	Ceramic	AB
C211	VCKYCZ1EB103KY		0.01	25V	Ceramic	AA
C212	VCKYCZ1EB103KY		0.01	25V	Ceramic	AA
C213	RC-KZA069WJZZY		4.7	10V	Ceramic	AB
C215	VCKYCZ1EB103KY		0.01	25V	Ceramic	AA
C222	VCKYCZ1AB104KY		0.1	10V	Ceramic	AB
C223	VCKYCZ1HB221KY		220p	50V	Ceramic	AA
C224	VCKYCZ1HB221KY		220p	50V	Ceramic	AA
C226	VCKYCZ1EB103KY		0.01	25V	Ceramic	AA
C228	VCKYCZ1AB104KY		0.1	10V	Ceramic	AB
C230	VCSATA0JJ156MY		15	6.3V	Tantalum	AC
C231	VCKYCZ1AB104KY		0.1	10V	Ceramic	AB
C237	VCKYCZ1EB103KY		0.01	25V	Ceramic	AA
C238	VCKYCZ1EB103KY		0.01	25V	Ceramic	AA
C239	VCCCCZ1HH220JY		22p	50V	Ceramic	AB
C240	VCCCCZ1HH6R0DY		6p	50V	Ceramic	AA
C401	RC-KZA030WJZZY		2.2	10V	Ceramic	AB

Ref. No.	Part No.	★	Description	Code
C402	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C404	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C405	VCKYCZ1AB473KY		0.047 10V Ceramic	AB
C407	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C410	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C411	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C412	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C413	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C414	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C415	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C417	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C418	VCCCCZ1HH100DY		10p 50V Ceramic	AB
C419	VCCCCZ1HH100DY		10p 50V Ceramic	AB
C420	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C421	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C423	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C424	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C425	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C430	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C432	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C435	VCKYCZ1EB103KY		0.01 25V Ceramic (with out Z700S-T)	AA
C447	VCKYCZ1EB103KY		0.01 25V Ceramic (with out Z700S-T)	AA
C450	RC-KZA069WJZZY		4.7 10V Ceramic (with out Z700S-T)	AB
C451	VCKYCY0JB105KY		1 6.3V Ceramic (with out Z700S-T)	AC
C452	VCKYCZ1AB104KY		0.1 10V Ceramic (with out Z700S-T)	AB
C456	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C460	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C462	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C463	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C465	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C473	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C474	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C475	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C476	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C477	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C478	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C701	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C702	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C703	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C704	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C705	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C706	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C708	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C709	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C710	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C711	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C712	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C713	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C716	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C717	VCCCCZ1HH101JY		100p 50V Ceramic	AB
C719	VCCCCZ1HH180JY		18p 50V Ceramic	AB
C720	VCCCCZ1HH180JY		18p 50V Ceramic	AB
C721	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C722	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C723	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C724	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C725	VCKYCZ1EB682KY		6800p 25V Ceramic	AB
C726	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C727	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C728	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C729	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C730	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C731	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C732	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C733	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C734	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C735	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C736	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C737	VCKYCZ1EB682KY		6800p 25V Ceramic	AB
C904	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C905	VCKYCZ0JB224KY		0.22 6.3V Ceramic	AB
C906	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C907	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C908	VCKYCZ1AB473KY		0.047 10V Ceramic	AB
C910	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C911	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C912	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C913	VCKYCZ1HB222KY		2200p 50V Ceramic	AB
C914	VCCCCZ1HH101JY		100p 50V Ceramic	AB
C915	VCKYCY1AB224KY		0.22 10V Ceramic	AB
C916	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C917	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C918	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C919	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C920	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C921	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C922	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C923	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C924	VCKYCZ1HB471KY		470p 50V Ceramic	AB
C926	VCKYCY1HB223KY		0.022 50V Ceramic	AA
C927	VCKYCZ1HB471KY		470p 50V Ceramic	AB
C928	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C929	RC-KZA111WJZZY		1 25V Ceramic	AC
C930	RC-KZA107WJZZY		4.7 16V Ceramic	AC
C932	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C933	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C934	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C936	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C938	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C939	VCKYTV1CB105KY		1 16V Ceramic	AC
C943	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C946	VCKYTV1CB105KY		1 16V Ceramic	AC
C948	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C949	VCKYTV1CB105KY		1 16V Ceramic	AC
C951	VCKYTV1CB105KY		1 16V Ceramic	AC
C953	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C954	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C956	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C957	VCKYTV1CB105KY		1 16V Ceramic	AC
C960	RC-KZA109WJZZY		10 16V Ceramic	AC
C962	RC-KZA111WJZZY		1 25V Ceramic	AC
C966	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C970	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C971	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C972	RC-KZA109WJZZY		10 16V Ceramic	AC
C973	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C974	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C978	RC-KZA111WJZZY		1 25V Ceramic	AC
C980	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C982	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C983	VCKYTV1CB105KY		1 16V Ceramic	AC
C990	RC-KZ0075TAZZY		2.2 16V Ceramic	AC
C991	RC-KZA107WJZZY		4.7 16V Ceramic	AC
C992	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C993	VCKYCY1AB224KY		0.22 10V Ceramic	AB
C1402	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C1406	VCSATE0JJ107MY		100 6.3V Tantalum	AE
C1407	VCSATA0JJ336MY		33 6.3V Tantalum	AD
C1408	VCKYCY1AF105ZY		1 10V Ceramic	AC
C1409	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C1410	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C1411	VCSATE0JJ107MY		100 6.3V Tantalum	AE
C1412	VCSATA0JJ336MY		33 6.3V Tantalum	AD
C1416	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C1417	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C1418	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C1419	VCKYCZ1AF104ZY		0.1 10V Ceramic (with out Z700S-T)	AB
C1431	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C1432	VCKYCZ1EB103KY		0.01 25V Ceramic (with out Z700S-T)	AA
C1433	VCCCCZ1HH150JY		15p 50V Ceramic (with out Z700S-T)	AB
C1434	VCCCCZ1HH680JY		68p 50V Ceramic (with out Z700S-T)	AB

Ref. No.	Part No.	★	Description	Code
C1435	VCKYCZ1EB103KY		0.01 25V Ceramic (with out Z700S-T)	AA
C1436	VCCCCZ1HH150JY		15p 50V Ceramic (with out Z700S-T)	AB
C1437	VCCCCZ1HH680JY		68p 50V Ceramic (with out Z700S-T)	AB
C1438	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C1439	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C1440	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C1441	VCKYCY0JB105KY		1 6.3V Ceramic (with out Z700S-T)	AC
C1603	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C1604	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C1605	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C1608	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C1610	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C1611	VCKYCY1AB474KY		0.47 10V Ceramic	AC
C1617	VCKYCY1AB474KY		0.47 10V Ceramic	AC
C1801	RC-KZA144WJZZY		0.1 6.3V Ceramic	AB
C1802	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C1803	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C1804	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C1805	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C1806	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C1807	VCKYTV1CB105KY		1 16V Ceramic	AC
C1808	RC-KZA114WJZZY		1 25V Ceramic	AB
C1809	RC-KZA114WJZZY		1 25V Ceramic	AB
C1810	RC-KZA114WJZZY		1 25V Ceramic	AB
C1811	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C1816	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C1901	VCKYCY1EB104KY		0.1 25V Ceramic	AB
C1903	VCKYCY1EB104KY		0.1 25V Ceramic	AB
C1908	VCKYCY1EB104KY		0.1 25V Ceramic	AB
C1909	VCKYCY1AF105ZY		1 10V Ceramic	AC
C1910	VCKYCY1EB104KY		0.1 25V Ceramic	AB
C1911	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C1912	VCKYCY1EB104KY		0.1 25V Ceramic	AB
C1913	VCKYCY1EB104KY		0.1 25V Ceramic	AB
C1914	VCKYTV1CB105KY		1 16V Ceramic	AC
C1915	VCKYCY1EB104KY		0.1 25V Ceramic	AB
C1916	VCKYCY1EB104KY		0.1 25V Ceramic	AB
C1990	VCKYCZ1EB103KY		0.01 25V Ceramic (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AA
C3320	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3321	VCKYTV1CB105KY		1 16V Ceramic	AC
C3401	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3402	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3403	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3404	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3405	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3406	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3407	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3408	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3409	VCKYTV1CB105KY		1 16V Ceramic	AC
C3410	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3411	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3412	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3416	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3418	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3420	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C3430	VCSATA0YJ336MY		33 Tantalum	AD
C3432	VCSATA0YJ336MY		33 Tantalum	AD
C3701	RC-KZA042WJZZY		10 6.3V Ceramic	AD
C3702	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C3704	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C3706	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3708	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C3709	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3710	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3711	VCKYCZ1AB104KY		0.1 10V Ceramic (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AB
C3712	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3714	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3716	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3717	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3718	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3719	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3720	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3721	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3722	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3723	RC-KZA144WJZZY		0.1 6.3V Ceramic	AB
C3724	VCCCCZ1HH220JY		22p 50V Ceramic	AB
C3725	VCCCCZ1HH220JY		22p 50V Ceramic	AB
C3726	VCCCCZ1HH220JY		22p 50V Ceramic	AB
C3727	VCCCCZ1HH220JY		22p 50V Ceramic	AB
C3728	VCCCCZ1HH220JY		22p 50V Ceramic	AB
C3729	VCCCCZ1HH220JY		22p 50V Ceramic	AB
C4401	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C4402	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C4403	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C4404	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C4405	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C4406	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C4407	VCKYCZ0JB224KY		0.22 6.3V Ceramic	AB
C4408	VCKYCZ0JB224KY		0.22 6.3V Ceramic	AB
C4409	VCKYCZ0JB224KY		0.22 6.3V Ceramic	AB
C4410	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C4413	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C4414	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C4415	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C4416	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4417	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C4418	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C4419	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4420	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4421	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4422	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4423	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4424	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4426	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4427	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4428	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4435	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C4436	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4451	VCCCCZ1HH390JY		39p 50V Ceramic	AB
C4454	VCCCCZ1HH390JY		39p 50V Ceramic	AB
C4461	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C4462	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C4463	VCKYCZ1EB682KY		6800p 25V Ceramic	AB
C4481	VCSATA0JJ106MY		10 6.3V Tantalum	AD
C4482	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C4483	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C4485	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C4702	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C4703	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C6800	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C6801	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C6802	VCCCCZ1HH101JY		100p 50V Ceramic	AB
C6803	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C6804	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C6805	VCCCCZ1HH330JY		33p 50V Ceramic	AB
C6806	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C6810	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C6811	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C6812	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C6813	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C6814	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C6815	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C6816	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C7400	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C7401	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C7404	VCKYCZ1EB472KY		4700p 25V Ceramic	AB
C7413	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C7414	VCCCCZ1HH330JY		33p 50V Ceramic	AB
C7417	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C7800	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C7801	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C7802	VCKYCY0JB105KY		1 6.3V Ceramic	AC

Ref. No.	Part No.	★	Description	Code
C7803	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C7804	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C7805	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C7806	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C7807	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C7808	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C7809	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C7810	VCCCCZ1HH390JY		39p 50V Ceramic	AB
C7812	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C7827	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C7828	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C7829	VCCCCZ1HH101JY		100p 50V Ceramic	AB
C7830	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C8800	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C8801	VCKYCY1AF105ZY		1 10V Ceramic	AC
C8802	RC-KZA114WJZZY		1 25V Ceramic	AB
C8803	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C8804	VCKYTV1CB105KY		1 16V Ceramic	AC
C8805	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C8806	VCKYTV1EB104KY		0.1 25V Ceramic	AB
C8807	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C8808	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C8809	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C8810	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C8813	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C8816	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C8822	VCCCCZ1HH101JY		100p 50V Ceramic	AB
C8823	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C8824	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C8825	VCKYCY0JB105KY		1 6.3V Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R201	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R209	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R235	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R401	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R402	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R403	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R404	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R406	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R407	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R408	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R409	VRS-CZ1JF103JY		10k 1/16W Metal Oxide (with out Z700S-T)	AA
R410	VRS-CZ1JF103JY		10k 1/16W Metal Oxide (with out Z700S-T)	AA
R411	VRS-CZ1JF154JY		150k 1/16W Metal Oxide	AA
R412	VRS-CZ1JF334JY		330k 1/16W Metal Oxide	AA
R413	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R416	VRS-CZ1JF823JY		82k 1/16W Metal Oxide	AA
R418	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R432	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R436	VRS-CZ1JF224JY		220k 1/16W Metal Oxide (with out Z700S-T)	AA
R437	VRS-CZ1JF224JY		220k 1/16W Metal Oxide (with out Z700S-T)	AA
R438	VRS-CZ1JF000JY		0 1/16W Metal Oxide (with out Z700S-T)	AA
R440	VRS-CZ1JF393JY		39k 1/16W Metal Oxide (with out Z700S-T)	AA
R441	VRS-CZ1JF563JY		56k 1/16W Metal Oxide (with out Z700S-T)	AA
R442	VRS-CZ1JF114JY		110k 1/16W Metal Oxide (with out Z700S-T)	AA
R443	VRS-CZ1JF105JY		1M 1/16W Metal Oxide (with out Z700S-T)	AA
R462	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R463	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R467	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R468	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R471	VRS-CZ1JF472JY		4.7k 1/16W Metal Oxide	AA
R477	VRS-CZ1JF823JY		82k 1/16W Metal Oxide	AA
R478	VRS-CZ1JF823JY		82k 1/16W Metal Oxide	AA
R701	VRS-CZ1JF472JY		4.7k 1/16W Metal Oxide	AA
R702	VRS-CZ1JF750JY		75 1/16W Metal Oxide	AA
R703	VRS-CZ1JF562JY		5.6k 1/16W Metal Oxide	AA
R704	VRS-CZ1JF273JY		27k 1/16W Metal Oxide	AA
R705	VRS-CZ1JF224JY		220k 1/16W Metal Oxide	AA
R706	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R707	VRS-CZ1JF184JY		180k 1/16W Metal Oxide	AA
R708	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R709	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R710	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R711	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R712	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R713	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R714	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R715	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R716	VRS-CZ1JF272JY		2.7k 1/16W Metal Oxide	AA
R717	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R718	VRS-CZ1JF272JY		2.7k 1/16W Metal Oxide	AA
R719	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R720	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R721	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R722	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R723	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R724	VRS-CZ1JF823DY		82k 1/16W Metal Oxide	AA
R725	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R726	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R728	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R729	VRS-CZ1JF332JY		3.3k 1/16W Metal Oxide	AA
R730	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R731	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R732	VRS-CZ1JF224DY		220k 1/16W Metal Oxide	AA
R733	VRS-CZ1JF331JY		330 1/16W Metal Oxide	AA
R734	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R735	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R736	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R737	VRS-CZ1JF332JY		3.3k 1/16W Metal Oxide	AA
R738	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R739	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R740	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R741	VRS-CZ1JF332JY		3.3k 1/16W Metal Oxide	AA
R742	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R743	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R744	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R745	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R746	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R747	VRS-CZ1JF184JY		180k 1/16W Metal Oxide	AA
R748	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R749	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R750	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R751	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R752	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R753	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R754	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R755	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R756	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R757	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R758	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R759	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R760	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R761	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R762	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R764	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R765	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R766	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R767	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R771	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R772	VRS-CZ1JF474JY		470k 1/16W Metal Oxide	AA
R779	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R782	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R902	VRS-CZ1JF562JY		5.6k 1/16W Metal Oxide	AA
R903	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R904	VRS-CZ1JF123JY		12k 1/16W Metal Oxide	AA
R905	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R906	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R907	VRS-CZ1JF822JY		8.2k 1/16W Metal Oxide	AA
R909	VRS-CZ1JF562DY		5.6k 1/16W Metal Oxide	AA
R910	VRS-CZ1JF272DY		2.7k 1/16W Metal Oxide	AB

Ref. No.	Part No.	★	Description	Code
R912	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R914	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R917	VRS-CZ1JF682DY		6.8k 1/16W Metal Oxide	AB
R918	VRS-CZ1JF472DY		4.7k 1/16W Metal Oxide	AB
R919	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R920	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R924	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R926	VRS-CZ1JF333DY		33k 1/16W Metal Oxide	AA
R927	VRS-CZ1JF683DY		68k 1/16W Metal Oxide	AA
R928	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R929	VRS-CZ1JF473DY		47k 1/16W Metal Oxide	AA
R930	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R931	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R932	VRS-CY1JF000JY		0 1/16W Metal Oxide	AA
R933	VRS-CZ1JF683JY		68k 1/16W Metal Oxide	AA
R934	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R935	VRS-CZ1JF183JY		18k 1/16W Metal Oxide	AA
R936	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R937	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R938	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R939	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R940	VRS-CZ1JF153DY		15k 1/16W Metal Oxide	AA
R941	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R942	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R943	VRS-CZ1JF303DY		30k 1/16W Metal Oxide	AA
R946	VRS-CZ1JF163DY		16k 1/16W Metal Oxide	AA
R948	VRS-CZ1JF473DY		47k 1/16W Metal Oxide	AA
R949	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R951	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R952	VRS-CZ1JF223DY		22k 1/16W Metal Oxide	AB
R954	VRS-CZ1JF303DY		30k 1/16W Metal Oxide	AA
R957	VRS-CZ1JF333DY		33k 1/16W Metal Oxide	AA
R959	VRS-CZ1JF123DY		12k 1/16W Metal Oxide	AA
R960	VRS-CZ1JF182DY		1.8k 1/16W Metal Oxide	AA
R962	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R965	VRS-CZ1JF242DY		2.4k 1/16W Metal Oxide	AA
R968	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R970	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R972	VRS-CZ1JF133DY		13k 1/16W Metal Oxide	AA
R973	VRS-CZ1JF561JY		560 1/16W Metal Oxide	AA
R974	VRS-CZ1JF102DY		1k 1/16W Metal Oxide	AA
R975	VRS-CZ1JF331JY		330 1/16W Metal Oxide	AA
R977	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R979	VRS-CZ1JF104DY		100k 1/16W Metal Oxide	AA
R980	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R982	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R983	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R987	VRS-CZ1JF821JY		820 1/16W Metal Oxide	AA
R988	VRS-CZ1JF821JY		820 1/16W Metal Oxide	AA
R990	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R1201	VRS-CZ1JF393JY		39k 1/16W Metal Oxide (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AA
R1401	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R1402	VRS-CZ1JF470JY		47 1/16W Metal Oxide	AA
R1403	VRS-CZ1JF470JY		47 1/16W Metal Oxide	AA
R1404	VRS-CZ1JF270JY		27 1/16W Metal Oxide	AA
R1405	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R1406	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R1413	VRS-CZ1JF470JY		47 1/16W Metal Oxide	AA
R1414	VRS-CZ1JF270JY		27 1/16W Metal Oxide	AA
R1419	VRS-CZ1JF270JY		27 1/16W Metal Oxide	AA
R1422	VRS-CZ1JF103JY		10k 1/16W Metal Oxide (with out Z700S-T)	AA
R1423	VRS-CZ1JF103JY		10k 1/16W Metal Oxide (with out Z700S-T)	AA
R1424	VRS-CZ1JF103JY		10k 1/16W Metal Oxide (with out Z700S-T)	AA
R1431	VRS-CZ1JF122JY		1.2k 1/16W Metal Oxide	AA
R1432	VRS-CZ1JF332JY		3.3k 1/16W Metal Oxide (with out Z700S-T)	AA
R1433	VRS-CZ1JF561JY		560 1/16W Metal Oxide (with out Z700S-T)	AA
R1434	VRS-CZ1JF561JY		560 1/16W Metal Oxide (with out Z700S-T)	AA
R1435	VRS-CZ1JF122JY		1.2k 1/16W Metal Oxide (with out Z700S-T)	AA
R1436	VRS-CZ1JF333JY		33k 1/16W Metal Oxide (with out Z700S-T)	AA
R1437	VRS-CZ1JF223JY		22k 1/16W Metal Oxide (with out Z700S-T)	AA
R1438	VRS-CZ1JF122JY		1.2k 1/16W Metal Oxide	AA
R1439	VRS-CZ1JF272JY		2.7k 1/16W Metal Oxide	AA
R1440	VRS-CZ1JF561JY		560 1/16W Metal Oxide	AA
R1441	VRS-CZ1JF561JY		560 1/16W Metal Oxide	AA
R1442	VRS-CZ1JF750JY		75 1/16W Metal Oxide	AA
R1462	VRS-CZ1JF474DY		470k 1/16W Metal Oxide	AA
R1803	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R1804	VRS-CZ1JF563JY		56k 1/16W Metal Oxide	AA
R1805	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R1806	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R1807	VRS-CZ1JF1R0JY		1 1/16W Metal Oxide	AA
R1808	VRS-CZ1JF1R0JY		1 1/16W Metal Oxide	AA
R1809	VRS-CZ1JF100JY		10 1/16W Metal Oxide	AA
R1810	VRS-CZ1JF100JY		10 1/16W Metal Oxide	AA
R1811	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R1812	VRS-CZ1JF1R0JY		1 1/16W Metal Oxide	AA
R1813	VRS-CZ1JF221JY		220 1/16W Metal Oxide	AA
R1814	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R1815	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R1816	VRS-CZ1JF221JY		220 1/16W Metal Oxide	AA
R1817	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R1818	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R1819	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R1820	VRS-CZ1JF100JY		10 1/16W Metal Oxide	AA
R1821	VRS-CZ1JF100JY		10 1/16W Metal Oxide	AA
R1822	VRS-CZ1JF100JY		10 1/16W Metal Oxide	AA
R1823	VRS-CZ1JF100JY		10 1/16W Metal Oxide	AA
R1824	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R1825	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R1826	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R1827	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R1828	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R1911	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R1912	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R1913	VRS-CZ1JF472JY		4.7k 1/16W Metal Oxide	AA
R1914	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1915	VRS-CZ1JF363DY		36k 1/16W Metal Oxide	AA
R1916	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R1917	VRS-CZ1JF163DY		16k 1/16W Metal Oxide	AA
R1918	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1919	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R1920	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R1921	VRS-CZ1JF393DY		39k 1/16W Metal Oxide	AA
R1923	VRS-CZ1JF153DY		15k 1/16W Metal Oxide	AA
R1924	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R1925	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R1926	VRS-CZ1JF392DY		3.9k 1/16W Metal Oxide	AA
R1927	VRS-CZ1JF391DY		390 1/16W Metal Oxide	AA
R1928	VRS-CZ1JF182DY		1.8k 1/16W Metal Oxide	AA
R1929	VRS-CZ1JF223JY		22k 1/16W Metal Oxide	AA
R1943	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R1990	VRS-CZ1JF105JY		1M 1/16W Metal Oxide (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AA
R1991	VRS-CZ1JF474JY		470k 1/16W Metal Oxide (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AA
R1993	VRS-CZ1JF152JY		1.5k 1/16W Metal Oxide	AA
R3320	VRS-CZ1JF562JY		5.6k 1/16W Metal Oxide	AA
R3321	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R3401	VRS-CZ1JF472JY		4.7k 1/16W Metal Oxide	AA
R3403	VRS-CZ1JF331JY		330 1/16W Metal Oxide	AA
R3404	VRS-CZ1JF122JY		1.2k 1/16W Metal Oxide	AA
R3405	VRS-CZ1JF562JY		5.6k 1/16W Metal Oxide	AA
R3413	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R3416	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R3427	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R3434	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R3436	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R3438	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R3454	VRS-CZ1JF561JY	560	1/16W Metal Oxide	AA
R3457	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R3458	VRS-CZ1JF222JY	2.2k	1/16W Metal Oxide	AA
R3701	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3702	VRS-CZ1JF105JY	1M	1/16W Metal Oxide	AA
R3703	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3704	VRS-CZ1JF103JY	10k	1/16W Metal Oxide	AA
R3705	VRS-CZ1JF103JY	10k	1/16W Metal Oxide	AA
R3706	VRS-CZ1JF471JY	470	1/16W Metal Oxide	AA
R3707	VRS-CZ1JF105JY	1M	1/16W Metal Oxide	AA
R3709	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3710	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3711	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3712	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3713	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3717	VRS-CZ1JF471JY	470	1/16W Metal Oxide	AA
R3718	VRS-CZ1JF152JY	1.5k	1/16W Metal Oxide	AA
R3721	VRS-CZ1JF222JY	2.2k	1/16W Metal Oxide	AA
R3723	VRS-CZ1JF273JY	27k	1/16W Metal Oxide	AA
R3724	VRS-CZ1JF473DY	47k	1/16W Metal Oxide	AA
R3725	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3726	VRS-CZ1JF223JY	22k	1/16W Metal Oxide	AA
R3727	VRS-CZ1JF473JY	47k	1/16W Metal Oxide	AA
R3728	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R3729	VRS-CZ1JF472DY	4.7k	1/16W Metal Oxide	AB
R3737	VRS-CZ1JF103JY	10k	1/16W Metal Oxide	AA
R3738	VRS-CZ1JF104JY	100k	1/16W Metal Oxide	AA
R3739	VRS-CZ1JF220JY	22	1/16W Metal Oxide	AA
R3740	VRS-CZ1JF220JY	22	1/16W Metal Oxide	AA
R4401	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R4402	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R4403	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R4404	VRS-CZ1JF472DY	4.7k	1/16W Metal Oxide	AB
R4414	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R4435	VRS-CZ1JF330JY	33	1/16W Metal Oxide	AA
R4436	VRS-CZ1JF272JY	2.7k	1/16W Metal Oxide	AA
R4437	VRS-CZ1JF272JY	2.7k	1/16W Metal Oxide	AA
R4451	VRS-CZ1JF104JY	100k	1/16W Metal Oxide	AA
R4453	VRS-CZ1JF151JY	150	1/16W Metal Oxide	AA
R4454	VRS-CZ1JF104JY	100k	1/16W Metal Oxide	AA
R4456	VRS-CZ1JF151JY	150	1/16W Metal Oxide	AA
R4461	VRS-CZ1JF123JY	12k	1/16W Metal Oxide	AA
R4462	VRS-CZ1JF123JY	12k	1/16W Metal Oxide	AA
R4463	VRS-CZ1JF103JY	10k	1/16W Metal Oxide	AA
R4464	VRS-CZ1JF330JY	33	1/16W Metal Oxide	AA
R4466	VRS-CZ1JF332JY	3.3k	1/16W Metal Oxide	AA
R4471	VRS-CZ1JF103DY	10k	1/16W Metal Oxide	AA
R4472	VRS-CZ1JF152DY	1.5k	1/16W Metal Oxide	AA
R4485	VRS-CZ1JF224JY	220k	1/16W Metal Oxide	AA
R4486	VRS-CZ1JF224JY	220k	1/16W Metal Oxide	AA
R4487	VRS-CZ1JF332JY	3.3k	1/16W Metal Oxide	AA
R4488	VRS-CZ1JF103JY	10k	1/16W Metal Oxide	AA
R4489	VRS-CZ1JF104JY	100k	1/16W Metal Oxide (with out Z700S-T)	AA
R4495	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R4703	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R6802	VRS-CZ1JF682DY	6.8k	1/16W Metal Oxide	AB
R6803	VRS-CZ1JF682DY	6.8k	1/16W Metal Oxide	AB
R6804	VRS-CZ1JF564JY	560k	1/16W Metal Oxide	AB
R6805	VRS-CZ1JF103JY	10k	1/16W Metal Oxide	AA
R6806	VRS-CZ1JF334JY	330k	1/16W Metal Oxide	AA
R6807	VRS-CZ1JF333JY	33k	1/16W Metal Oxide	AA
R6808	VRS-CZ1JF333JY	33k	1/16W Metal Oxide	AA
R6809	VRS-CZ1JF105JY	1M	1/16W Metal Oxide	AA
R6816	VRS-CZ1JF564JY	560k	1/16W Metal Oxide	AB
R6817	VRS-CZ1JF564JY	560k	1/16W Metal Oxide	AB
R6818	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R6819	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R6820	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R7401	VRS-CZ1JF561JY	560	1/16W Metal Oxide	AA
R7402	VRS-CZ1JF472JY	4.7k	1/16W Metal Oxide	AA
R7403	VRS-CZ1JF273JY	27k	1/16W Metal Oxide	AA
R7413	VRS-CZ1JF512DY	5.1k	1/16W Metal Oxide	AA
R7415	VRS-CZ1JF560DY	56	1/16W Metal Oxide	AA
R7416	VRS-CZ1JF560DY	56	1/16W Metal Oxide	AA
R7417	VRS-CZ1JF560DY	56	1/16W Metal Oxide	AA
R7418	VRS-CZ1JF560DY	56	1/16W Metal Oxide	AA
R7419	VRS-CZ1JF221JY	220	1/16W Metal Oxide	AA
R7420	VRS-CZ1JF104JY	100k	1/16W Metal Oxide	AA
R7422	VRS-CZ1JF392DY	3.9k	1/16W Metal Oxide	AA
R7423	VRS-CZ1JF392DY	3.9k	1/16W Metal Oxide	AA
R7424	VRS-CZ1JF242DY	2.4k	1/16W Metal Oxide	AA
R7800	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA
R7811	VRS-CZ1JF105JY	1M	1/16W Metal Oxide	AA
R7819	VRS-CZ1JF564JY	560k	1/16W Metal Oxide	AB
R7820	VRS-CZ1JF564JY	560k	1/16W Metal Oxide	AB
R7826	VRS-CZ1JF331JY	330	1/16W Metal Oxide	AA
R7827	VRS-CZ1JF331JY	330	1/16W Metal Oxide	AA
R7828	VRS-CZ1JF331JY	330	1/16W Metal Oxide	AA
R7829	VRS-CZ1JF821JY	820	1/16W Metal Oxide	AA
R7830	VRS-CZ1JF821JY	820	1/16W Metal Oxide	AA
R7831	VRS-CZ1JF821JY	820	1/16W Metal Oxide	AA
R7832	VRS-CZ1JF333JY	33k	1/16W Metal Oxide	AA
R7833	VRS-CZ1JF334JY	330k	1/16W Metal Oxide	AA
R7834	VRS-CZ1JF333JY	33k	1/16W Metal Oxide	AA
R7836	VRS-CZ1JF104JY	100k	1/16W Metal Oxide	AA
R7837	VRS-CZ1JF103JY	10k	1/16W Metal Oxide	AA
R7838	VRS-CZ1JF682DY	6.8k	1/16W Metal Oxide	AB
R7839	VRS-CZ1JF682DY	6.8k	1/16W Metal Oxide	AB
R8800	VRS-CZ1JF223JY	22k	1/16W Metal Oxide	AA
R8801	VRS-CZ1JF273JY	27k	1/16W Metal Oxide	AA
R8803	VRS-CZ1JF105JY	1M	1/16W Metal Oxide	AA
R8804	VRS-CZ1JF102JY	1k	1/16W Metal Oxide	AA
R8805	VRS-CZ1JF223JY	22k	1/16W Metal Oxide	AA
R8806	VRS-CZ1JF473JY	47k	1/16W Metal Oxide	AA
R8807	VRS-CZ1JF104JY	100k	1/16W Metal Oxide	AA
R8808	VRS-CZ1JF223JY	22k	1/16W Metal Oxide	AA
R8809	VRS-CZ1JF473JY	47k	1/16W Metal Oxide	AA
R8810	VRS-CZ1JF473DY	47k	1/16W Metal Oxide	AA
R8814	VRS-CZ1JF100JY	10	1/16W Metal Oxide	AA
R8815	VRS-CZ1JF473DY	47k	1/16W Metal Oxide	AA
R8816	VRS-CZ1JF153DY	15k	1/16W Metal Oxide	AA
R8817	VRS-CZ1JF100JY	10	1/16W Metal Oxide	AA
R8818	VRS-CZ1JF151DY	150	1/16W Metal Oxide	AA
R8825	VRS-CZ1JF472JY	4.7k	1/16W Metal Oxide	AA
R8826	VRS-CZ1JF473JY	47k	1/16W Metal Oxide	AA
R8827	VRS-CZ1JF393JY	39k	1/16W Metal Oxide	AA
R8828	VRS-CZ1JF224JY	220k	1/16W Metal Oxide	AA
R8832	VRS-CZ1JF221JY	220	1/16W Metal Oxide	AA
R8838	VRS-CZ1JF221JY	220	1/16W Metal Oxide	AA
R8841	VRS-CZ1JF473JY	47k	1/16W Metal Oxide	AA
R8842	VRS-CZ1JF333JY	33k	1/16W Metal Oxide	AA
R8848	VRS-CZ1JF562JY	5.6k	1/16W Metal Oxide	AA
R8867	VRS-CZ1JF124JY	120k	1/16W Metal Oxide	AA
R8868	VRS-CZ1JF104JY	100k	1/16W Metal Oxide	AA

BALUNES

FB201	RBLN-0049TAZZY	Balun, BLN-0049TA	AA
FB203	RBLN-0049TAZZY	Balun, BLN-0049TA	AA
FB204	RBLN-0049TAZZY	Balun, BLN-0049TA	AA
FB415	RBLN-0257TAZZY	Balun, BLN-0257TA	AB
FB456	RBLN-0102TAZZY	Balun, BLN-0102TA	AB
FB900	RBLN-0119TAZZY	Balun, BLN-0119TA	AC
FB901	RBLN-0119TAZZY	Balun, BLN-0119TA	AC
FB3701	RBLN-0102TAZZY	Balun, BLN-0102TA	AB
FB3719	RBLN-0257TAZZY	Balun, BLN-0257TA	AB
FB4405	RBLN-0102TAZZY	Balun, BLN-0102TA	AB
FB7401	RBLN-0102TAZZY	Balun, BLN-0102TA	AB

MISCELLANEOUS PARTS

RMC701	RRMCUA012WJZZ	Remote Receiver	AF
P1201	QPLGN0276TAZZY	Plug, 2Pin	AD
P3301	QPLGN0576TAZZY	Plug, 5Pin	AC
P3303	QCNCMA088WJZZY	Connector, 30Pin	AF
SC1201	QCNCW8089TAZZY	Connector, 80Pin	AK
SC1202	QCNCW3396TAZZY	Connector, 33Pin	AG
SC1204	QSOCN1207REN1Y	Socket, 12Pin	AD
SC1800	QCNCW1895TAZZY	Connector, 18Pin	AE
SC1801	QCNCW1894TAZZY	Connector, 18Pin	AE

Ref. No.	Part No.	★	Description	Code
SC3301	QCNCWA082WJZZY		Connector, 33Pin	AG
SC3302	QCNCWA041WJZZY		Connector, 33Pin	AE
SC8800	QCNCWA081WJZZY		Connector, 27Pin	AG
	PSPAZA243WJZZ		Spacer	AB

DUNTKC365QA50
CCD PWB UNIT

INTEGRATED CIRCUITS

IC21	VHiMN52A6CD-1Q	MN52A6CD	AU
IC22	VHiUPD16510-1Y	UPD16510	AR
IC101	VHiH49334HN-1Y	H49334HN	AU
IC1002	VHiNJ12904R-1Y	NJ12904R	AD

TRANSISTORS

Q1	VS2SC5536++-1Y	2SC5536++	AC
Q21	VS15C01M+++-1Y	15C01M+++	AC

DIODE

D2	VHD1SS400++-1Y	1SS400++	AB

PACKAGED CIRCUIT

X21	RCRSZ0083TAZZY	Crystal, CRSZ0083TA	AS

COILS

L23	VPCEM100MR70NY	Peaking, 10μH	AC
L101	VPCEM100MR70NY	Peaking, 10μH	AC

CAPACITORS

C1	RC-KZA107WJZZY	4.7	16V	Ceramic	AC
C3	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C4	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C5	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C6	VCKYCY1EB104KY	0.1	25V	Ceramic	AB
C7	RC-KZA107WJZZY	4.7	16V	Ceramic	AC
C9	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C22	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C24	VCSATA1CJ106MY	10	16V	Tantalum	AD
C29	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C32	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C33	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C36	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C38	RC-KZA069WJZZY	4.7	10V	Ceramic	AB
C39	VCKYCZ1AB104KY	0.1	10V	Ceramic	AB
C40	VCSATA0YJ156MY	15	6.3V	Tantalum	AD
C42	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C43	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C44	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C45	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C101	VCKYCZ1CB153KY	0.015	16V	Ceramic	AB
C103	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C104	VCKYCZ1AB104KY	0.1	10V	Ceramic	AB
C105	VCKYCZ1AB104KY	0.1	10V	Ceramic	AB
C106	VCKYCZ1AB104KY	0.1	10V	Ceramic	AB
C107	VCKYTV1CB105KY	1	16V	Ceramic	AC
C108	VCKYCY0JB105KY	1	6.3V	Ceramic	AC
C109	VCSATA0YJ156MY	15	6.3V	Tantalum	AD
C110	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C111	RC-KZA144WJZZY	0.1	6.3V	Ceramic	AB
C113	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C114	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C115	RC-KZA069WJZZY	4.7	10V	Ceramic	AB
C1002	RC-KZA069WJZZY	4.7	10V	Ceramic	AB
C1003	VCKYCZ1CB223KY	0.022	16V	Ceramic	AC
C1005	VCKYCZ1AB473KY	0.047	10V	Ceramic	AB
C1010	RC-KZA042WJZZY	10	6.3V	Ceramic	AD
C1011	VCKYCZ1HB821KY	820p	50V	Ceramic	AA
C1014	VCKYCZ1CB223KY	0.022	16V	Ceramic	AC
C1016	RC-KZA069WJZZY	4.7	10V	Ceramic	AB
C1018	VCKYCZ1AB104KY	0.1	10V	Ceramic	AB
C1111	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C1112	VCKYCZ1HB182KY	1800p	50V	Ceramic	AA

Ref. No.	Part No.	★	Description	Code

RESISTORS

R3	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R4	VRS-CZ1JF272JY	2.7k	1/16W	Metal Oxide	AA
R5	VRS-CZ1JF105JY	1M	1/16W	Metal Oxide	AA
R7	VRS-CZ1JF105JY	1M	1/16W	Metal Oxide	AA
R26	VRS-CZ1JF104JY	100k	1/16W	Metal Oxide	AA
R27	VRS-CZ1JF271JY	270	1/16W	Metal Oxide	AA
R28	VRS-CZ1JF182JY	1.8k	1/16W	Metal Oxide	AA
R29	VRS-CZ1JF000JY	0	1/16W	Metal Oxide	AA
R30	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R35	VRS-CZ1JF331JY	330	1/16W	Metal Oxide	AA
R38	VRS-CZ1JF100JY	10	1/16W	Metal Oxide	AA
R41	VRS-CZ1JF000JY	0	1/16W	Metal Oxide	AA
R101	VRS-CZ1JF100JY	10	1/16W	Metal Oxide	AA
R103	VRS-CZ1JF333JY	33k	1/16W	Metal Oxide	AA
R106	VRK-SA1JF101JY	100	1/16W	Metal Composition	AC
R107	VRK-SA1JF101JY	100	1/16W	Metal Composition	AC
R108	VRK-SA1JF101JY	100	1/16W	Metal Composition	AC
R109	VRK-SA1JF101JY	100	1/16W	Metal Composition	AC
R110	VRK-SA1JF101JY	100	1/16W	Metal Composition	AC
R1001	VRS-CZ1JF103JY	10k	1/16W	Metal Oxide	AA
R1003	VRS-CZ1JF153JY	15k	1/16W	Metal Oxide	AA
R1004	VRS-CZ1JF103JY	10k	1/16W	Metal Oxide	AA
R1005	VRS-CZ1JF153JY	15k	1/16W	Metal Oxide	AA
R1009	VRS-CZ1JF154DY	150k	1/16W	Metal Oxide	AB
R1011	VRS-CZ1JF274DY	270k	1/16W	Metal Oxide	AA
R1015	VRS-CZ1JF822DY	8.2k	1/16W	Metal Oxide	AA
R1016	VRS-CZ1JF000JY	0	1/16W	Metal Oxide	AA
R1018	VRS-CZ1JF100JY	10	1/16W	Metal Oxide	AA
R1020	VRS-CZ1JF154DY	150k	1/16W	Metal Oxide	AB
R1021	VRS-CZ1JF392JY	3.9k	1/16W	Metal Oxide	AA

BALUNE

R23	RBLN-0257TAZZY	Balun, BLN-0257TA	AB

MISCELLANEOUS PARTS

RMC1001	RSNSGA013WJ01Y	Gyro Sensor	AX
SC1001	QCNCWA082WJZZY	Connector, 33Pin	AG
TP1001	QLUGZA001WJZZY	Lug	AB
TP1002	QLUGZA001WJZZY	Lug	AB
TP1003	QLUGZA001WJZZY	Lug	AB

DUNTKC367QA50(VL-Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)
DUNTKC367QA51(VL-Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))
DUNTKC367QA52(VL-Z700S-T)
SUB PWB UNIT

INTEGRATED CIRCUITS

IC501	VHiPT8146++-1Y	PT8146++, I/O Expander	AH
IC502	VHiPT8146++-1Y	PT8146++, I/O Expander	AH
IC551	VHiUPD16835-1Y	UPD16835, Lens Driver	AM
IC600	VHiLA74212T-1Q	LA74212T	AS
IC2502	VHi10324AFV2EY	10324AFV, OP_Amp	AE
IC2901	VHiMM1332E/-1Y	MM1332E	AH
IC3601	VHiAN2901FQ-1Y	AN2901FQ	AM

TRANSISTORS

Q501	VS12A01SS++-1Y	12A01SS++	AC
Q502	VSKRC401E++-1Y	KRC401E++	AB
Q504	VS2SA1362GR-1Y	2SA1362GR	AC
Q505	VSKRC401E++-1Y	KRC401E++	AB
Q552	VSKRC402E++-1Y	KRC402E++	AB

Ref. No.	Part No.	★	Description	Code
Q600	VSFMG12////-1Y		FMG12	AD
Q601	VSKRC404E++-1Y		KRC404E++	AB
Q604	VSKRX203U++-1Y		KRX203U++	AB
Q1501	VSKTA2014EY-1Y		KTA2014EY	AB
Q1502	VSXP6501///-1Y		XP6501	AC
Q2551	VSKRC654U++-1Y		KRC654U++	AB
Q2552	VSKTX101UY+-1Y		KTX101UY+	AB
Q2553	VSKTC601UY+-1Y		KTC601UY+	AC
Q2901	VSRTQ035P02-1Y		RTQ035P02	AD
Q2902	VSRTQ035P02-1Y		RTQ035P02	AD
Q2903	VSFDT458P++-1Y		FDT458P++	AE
Q2904	VSXP4213///-1Y		XP4213	AC
Q2905	VSKRC654U++-1Y		KRC654U++	AB
Q2906	VSXP4316///-1Y		XP4316	AC
Q3600	VSKTX101UY+-1Y		KTX101UY+	AB
Q3601	VSXP6501///-1Y		XP6501	AC
Q3602	VSXP4601///-1Y		XP4601	AC
Q3603	VSXP0431N++-1Y		XP0431N++	AB
			DIODES	
D551	VHD1SS400++-1Y		1SS400++	AB
D2902	VHDKDS121E+-1Y		KDS121E+	AB
D2904	VHDRB160M30-1Y		RB160M30	AC
D3600	RH-EX1394CEZZY		Zener Diode, EX1394CE	AB
D3601	RH-EX1394CEZZY		Zener Diode, EX1394CE	AB
VA501	RH-VXA003WJZZY		Varistor	AC
VA502	RH-VXA003WJZZY		Varistor	AC
VA600	RH-VXA003WJZZY		Varistor	AC
VA602	RH-VXA003WJZZY		Varistor	AC
VA603	RH-VXA003WJZZY		Varistor	AC
			COILS	
L503	VPCLN220MR77NY		Peaking, 22µH	AB
L551	VPD9M100KR86NY		Peaking, 10µH	AC
L600	VPCEM470M3R7NY		Peaking, 47µH	AC
L601	VPBWM100KR50NY		Peaking, 10µH	AC
L2900	RCiLFA009WJZZY		Coil, CiLFA009WJ	AG
L2901	VPCLN2R2MR13NY		Peaking, 2.2µH (Z700S-T/Z900H-S/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-T(XT)/E-W)	AB
L3601	VPD9M470K4R1NY		Peaking, 47µH	AC
			CAPACITORS	
C501	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C502	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C503	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C504	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C505	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C506	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C507	RC-KZA042WJZZY		10 6.3V Ceramic	AD
C521	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C522	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C523	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C524	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C525	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C551	RC-KZ0075TAZZY		2.2 16V Ceramic	AC
C552	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C553	VCCCCZ1HH330JY		33p 50V Ceramic	AB
C554	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C555	VCCCCZ1HH101JY		100p 50V Ceramic	AB
C556	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C557	VCCCCZ1HH101JY		100p 50V Ceramic	AB
C558	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C559	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C561	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C562	VCSATA0JJ106MY		10 6.3V Tantalum	AD
C573	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C574	VCKYCZ1HB221KY		220p 50V Ceramic	AA
C575	VCCCCZ1HH221JY		220p 50V Ceramic	AB
C600	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C601	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C602	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C605	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C612	VCSATA0JJ336MY		33 6.3V Tantalum	AD
C627	VCSATA0JJ336MY		33 6.3V Tantalum	AD
C630	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C631	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C632	VCSATA0JJ106MY		10 6.3V Tantalum	AD
C633	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C635	VCKYCY1AB224KY		0.22 10V Ceramic	AB
C636	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C637	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C638	VCKYCY1AB224KY		0.22 10V Ceramic	AB
C641	VCSATA0JJ336MY		33 6.3V Tantalum	AD
C642	VCSATE1AJ476MY		47 10V Tantalum	AD
C645	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C646	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C1470	VCKYCZ1HB102KY		1000p 50V Ceramic (Z700S-T/Z900H-S/Z950E-T(XT))	AB
C1471	VCKYCZ1HB102KY		1000p 50V Ceramic (Z700S-T/Z900H-S/Z950E-T(XT))	AB
C1501	VCCCCZ1HH220JY		22p 50V Ceramic (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT)/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/ Z950E-W)	AB
C1503	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C1505	VCCCCZ1HH220JY		22p 50V Ceramic (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT)/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-W)	AB
C1506	VCCCCZ1HH220JY		22p 50V Ceramic (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT)/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-W)	AB
C1507	VCCCCZ1HH220JY		22p 50V Ceramic (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT)/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-W)	AB
C1513	VCSATA0JJ106MY		10 6.3V Tantalum	AD
C2514	RC-KZ0075TAZZY		2.2 16V Ceramic	AC
C2516	VCKYCY1AB224KY		0.22 10V Ceramic	AB
C2517	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C2518	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C2519	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C2520	VCCCCZ1HH151JY		150p 50V Ceramic	AB
C2521	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C2901	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C2902	VCKYTV1CF105ZY		1 16V Ceramic	AB
C2903	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C2905	RC-KZA107WJZZY		4.7 16V Ceramic (Z700S-T/Z900H-S/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-T(XT)/E-W)	AC
C2906	VCKYCY1CB104KY		0.1 16V Ceramic	AB
C2910	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C3601	VCKYCZ1CB123KY		0.012 16V Ceramic	AA
C3602	VCKYCZ1CB223KY		0.022 16V Ceramic	AC
C3603	VCKYCZ1CB123KY		0.012 16V Ceramic	AA
C3605	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3606	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3608	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C3609	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C3610	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C3611	VCKYCZ1HB102KY		1000p 50V Ceramic	AB
C3612	VCSATA1AJ106MY		10 10V Tantalum	AC
C3613	VCSATA1AJ106MY		10 10V Tantalum	AC
C3614	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3615	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3616	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3617	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3618	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3619	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3620	VCKYCZ1CB123KY		0.012 16V Ceramic	AA
C3621	VCKYCZ1CB123KY		0.012 16V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C3622	VCKYCZ1CB153KY		0.015 16V Ceramic	AB
C3623	VCKYCZ1HB392KY		3900p 50V Ceramic	AA
C3624	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3625	VCKYCZ1CB153KY		0.015 16V Ceramic	AB
C3626	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C3627	VCKYCZ1HB392KY		3900p 50V Ceramic	AA
C3628	VCKYCZ1CB223KY		0.022 16V Ceramic	AC
C3629	VCKYCZ1CB223KY		0.022 16V Ceramic	AC
C3630	VCKYCZ1CB223KY		0.022 16V Ceramic	AC
C3631	VCKYCZ1CB223KY		0.022 16V Ceramic	AC
C3632	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C3635	VCSATA0JJ336MY		33 6.3V Tantalum	AD
C3640	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C3646	VCSATA1AJ106MY		10 10V Tantalum	AC
			RESISTORS	
R501	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R502	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R503	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R504	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R505	VRS-CZ1JF472JY		4.7k 1/16W Metal Oxide	AA
R506	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R507	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R508	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R509	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R510	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R511	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R512	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R513	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R514	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R515	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R516	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R517	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R518	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R519	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R520	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R528	VRS-CZ1JF223JY		22k 1/16W Metal Oxide	AA
R529	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R530	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R531	VRS-CZ1JF272JY		2.7k 1/16W Metal Oxide	AA
R552	VRS-CZ1JF123JY		12k 1/16W Metal Oxide	AA
R553	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R554	VRS-CZ1JF5R6JY		5.6 1/16W Metal Oxide	AA
R555	VRS-CZ1JF5R6JY		5.6 1/16W Metal Oxide	AA
R557	VRS-CZ1JF5R6JY		5.6 1/16W Metal Oxide	AA
R559	VRS-CZ1JF5R6JY		5.6 1/16W Metal Oxide	AA
R572	VRS-CZ1JF223JY		22k 1/16W Metal Oxide	AA
R573	VRS-CZ1JF223JY		22k 1/16W Metal Oxide	AA
R578	VRS-CZ1JF181JY		180 1/16W Metal Oxide	AA
R581	VRS-CZ1JF562JY		5.6k 1/16W Metal Oxide	AA
R582	VRS-CZ1JF181JY		180 1/16W Metal Oxide	AA
R602	VRS-CZ1JF472JY		4.7k 1/16W Metal Oxide	AA
R603	VRS-CZ1JF121JY		120 1/16W Metal Oxide	AA
R604	VRS-CZ1JF121JY		120 1/16W Metal Oxide	AA
R605	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R632	VRS-CZ1JF683JY		68k 1/16W Metal Oxide	AA
R633	VRS-CZ1JF393JY		39k 1/16W Metal Oxide (with out Z700S-T)	AA
R634	VRS-CZ1JF393JY		39k 1/16W Metal Oxide (with out Z700S-T)	AA
R635	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide (with out Z700S-T)	AA
R636	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide (with out Z700S-T)	AA
R637	VRS-CZ1JF561JY		560 1/16W Metal Oxide	AA
R638	VRS-CZ1JF561JY		560 1/16W Metal Oxide	AA
R639	VRS-CZ1JF683JY		68k 1/16W Metal Oxide	AA
R641	VRS-CZ1JF106JY		10M 1/16W Metal Oxide	AA
R642	VRS-CZ1JF106JY		10M 1/16W Metal Oxide	AA
R643	VRS-CZ1JF106JY		10M 1/16W Metal Oxide	AA
R645	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R651	VRS-CZ1JF562JY		5.6k 1/16W Metal Oxide	AA
R659	VRS-CZ1JF681JY		680 1/16W Metal Oxide	AA
R1471	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R1472	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R1475	VRS-CY1JF000JY		0 1/16W Metal Oxide	AA
R1476	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R1501	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1502	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1503	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1504	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1505	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1506	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1507	VRS-CZ1JF332DY		3.3k 1/16W Metal Oxide	AA
R1509	VRS-CZ1JF153DY		15k 1/16W Metal Oxide	AA
R1510	VRS-CZ1JF152JY		1.5k 1/16W Metal Oxide	AA
R1511	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R1512	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R1513	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R2508	VRS-CZ1JF622DY		6.2k 1/16W Metal Oxide	AA
R2509	VRS-CZ1JF104DY		100k 1/16W Metal Oxide	AA
R2510	VRS-CZ1JF822DY		8.2k 1/16W Metal Oxide	AA
R2511	VRS-CZ1JF223JY		22k 1/16W Metal Oxide	AA
R2512	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R2513	VRS-CZ1JF153DY		15k 1/16W Metal Oxide	AA
R2514	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R2515	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R2516	VRS-CZ1JF154JY		150k 1/16W Metal Oxide	AA
R2520	VRS-CZ1JF122JY		1.2k 1/16W Metal Oxide	AA
R2523	VRS-CZ1JF471JY		470 1/16W Metal Oxide	AA
R2525	VRS-CZ1JF474JY		470k 1/16W Metal Oxide	AA
R2526	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R2527	VRS-CZ1JF472JY		4.7k 1/16W Metal Oxide	AA
R2528	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R2530	VRS-CZ1JF474JY		470k 1/16W Metal Oxide	AA
R2531	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R2533	VRS-CZ1JF100JY		10 1/16W Metal Oxide	AA
R2551	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R2552	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R2553	VRS-CZ1JF180JY		18 1/16W Metal Oxide	AA
R2554	VRS-CZ1JF152JY		1.5k 1/16W Metal Oxide	AA
R2555	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R2556	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R2557	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R2901	VRS-CY1JF000JY		0 1/16W Metal Oxide (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))	AA
R2903	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R2905	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R2906	VRS-CZ1JF105JY		1M 1/16W Metal Oxide	AA
R2908	VRS-TV2BDR15JY		0.15 1/8W Metal Oxide	AA
R2909	VRS-TV1JD1R5JY		1.5 1/16W Metal Oxide	AA
R2910	VRS-CZ1JF224DY		220k 1/16W Metal Oxide	AA
R2911	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R2913	VRS-TW2HF181JY		180 1/2W Metal Oxide	AA
R2914	VRS-CZ1JF224DY		220k 1/16W Metal Oxide	AA
R2915	VRS-CZ1JF823DY		82k 1/16W Metal Oxide	AA
R2916	VRS-CZ1JF823DY		82k 1/16W Metal Oxide	AA
R2917	VRS-CZ1JF474JY		470k 1/16W Metal Oxide	AA
R2918	VRS-CZ1JF474JY		470k 1/16W Metal Oxide	AA
R2920	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R2931	VRS-CZ1JF000JY		0 1/16W Metal Oxide	AA
R3600	VRS-CZ1JF562JY		5.6k 1/16W Metal Oxide	AA
R3601	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R3603	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R3604	VRS-CZ1JF563JY		56k 1/16W Metal Oxide	AA
R3605	VRS-CZ1JF392JY		3.9k 1/16W Metal Oxide	AA
R3606	VRS-CZ1JF104JY		100k 1/16W Metal Oxide	AA
R3607	VRS-CZ1JF272JY		2.7k 1/16W Metal Oxide	AA
R3608	VRS-CZ1JF392JY		3.9k 1/16W Metal Oxide	AA
R3609	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R3610	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R3613	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R3614	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R3615	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R3617	VRS-CZ1JF222JY		2.2k 1/16W Metal Oxide	AA
R3618	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R3619	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R3620	VRS-CZ1JF102JY		1k 1/16W Metal Oxide	AA
R3621	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R3622	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R3623	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R3624	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R3625	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R3626	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R3627	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R3628	VRS-CZ1JF682JY		6.8k 1/16W Metal Oxide	AA
R3629	VRS-CZ1JF223JY		22k 1/16W Metal Oxide	AA
R3630	VRS-CZ1JF223JY		22k 1/16W Metal Oxide	AA
R3631	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R3632	VRS-CZ1JF333JY		33k 1/16W Metal Oxide	AA
R3633	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R3634	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R3640	VRS-CZ1JF153JY		15k 1/16W Metal Oxide	AA
R3642	VRS-CZ1JF472JY		4.7k 1/16W Metal Oxide	AA
R3646	VRS-CZ1JF182JY		1.8k 1/16W Metal Oxide	AA
R7426	VRS-CY1JF000JY		0 1/16W Metal Oxide	AA
R7427	VRS-CY1JF000JY		0 1/16W Metal Oxide	AA
R7428	VRS-CY1JF000JY		0 1/16W Metal Oxide	AA
R7429	VRS-CY1JF000JY		0 1/16W Metal Oxide	AA
			BALUNES	
FB600	RBLN-0120TAZZY		Balun, BLN-0120TA	AC
FB1478	RBLN-0083GEZZY		Balun, BLN-0083GE	AB
FB1479	RBLN-0083GEZZY		Balun, BLN-0083GE	AB
FB1480	RBLN-0083GEZZY		Balun, BLN-0083GE	AB
			MISCELLANEOUS PARTS	
⚠ CP1	QFS-LA006WJZZY		Fuse, 0.8A 36V	AC
⚠ CP2	QFS-LA009WJZZY		Fuse, 1.6A 36V	AC
⚠ CP3	QFS-LA009WJZZY		Fuse, 1.6A 36V	AC
J600	QJAKE0060TAZZ		Jack, 4Pin (with out Z700S-T)	AE
J1401	QJAKEA050WJZZY		Jack, 8Pin	AH
J2900	QJAKC0006TAZZ		Jack, 3Pin	AE
J7401	QJAKZA007WJZZ		Jack, 4Pin	AE
P900	QTANBA002WJZZ		Terminal, 3Pin	AF
P2901	QCNCM8058TAZZY		Connector, 80Pin	AG
P3602	QPLGN0474TAZZY		Plug, 4Pin	AD
SC501	QCNCWA036WJZZY		Connector, 15Pin	AD
SC551	QCNCWA039WJZZY		Connector, 25Pin	AE
SC1501	QSOCZA039WJZZY		Socket, 15Pin	AK
	PSLDMA394WJZZ		Shield (Z700S-T/Z900H-S/Z950E-T(XT))	AD

DUNTKC118QA01
LCD PWB UNIT

Ref. No.	Part No.	★	Description	Code
			INTEGRATED CIRCUITS	
IC802	VHiNC7NZ04K-1Y		NC7NZ04K	AD
IC804	VHiNC7WZ08K-1Y		NC7WZ08K	AD
IC9800	VHiTA75S01F-1Y		TA75S01F	AD
			TRANSISTORS	
Q802	VS3LN01S///-1Y		3LN01S	AC
Q9800	VSCPH5504++-1Y		CPH5504++	AE
Q9801	VSKTX101UY+-1Y		KTX101UY+	AB
Q9802	VSKTC4075EY-1Y		KTC4075EY	AB
			DIODES	
D800	RH-EXA095WJZZY		Zener Diode, EXA095WJ	AB
D9800	RH-EXA089WJZZY		Zener Diode, EXA089WJ	AB
			COILS AND TRANSFORMER	
L800	VPD9M100KR86NY		Peaking, 10µH	AC
L9800	RCiLPA051WJZZY		Coil, 33µH	AD
L9801	VPCGM100MR25NY		Peaking, 10µH	AB
⚠ T9800	RTRNZA053WJZZY		Transformer	AK
			CAPACITORS	
C806	VCKYCY0JB105KY		1 6.3V Ceramic	AC
C807	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C816	VCKYTV1CB105KY		1 16V Ceramic	AC
C818	RC-KZA111WJZZY		1 25V Ceramic	AC
C820	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C821	RC-KZA030WJZZY		2.2 10V Ceramic	AB
C9800	RC-KZA041WJZZY		10 10V Ceramic	AC
C9801	VCKYCZ1AF104ZY		0.1 10V Ceramic	AB
C9802	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C9803	RC-KZA124WJZZY		0.22 50V Ceramic	AD
C9804	VCKYCY1HB332KY		3300p 50V Ceramic	AA
C9805	RC-KZA052WJZZY		18 3kV Ceramic	AD
C9807	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
			RESISTORS	
R819	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R825	VRS-CZ1JF223JY		22k 1/16W Metal Oxide	AA
R826	VRS-CZ1JF273JY		27k 1/16W Metal Oxide	AA
R827	VRS-CZ1JF124JY		120k 1/16W Metal Oxide	AA
R9800	VRS-CZ1JF152JY		1.5k 1/16W Metal Oxide	AA
R9801	VRS-CZ1JF152JY		1.5k 1/16W Metal Oxide	AA
R9802	VRS-CZ1JF182DY		1.8k 1/16W Metal Oxide	AA
R9803	VRS-CZ1JF103DY		10k 1/16W Metal Oxide	AA
R9804	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R9805	VRS-CZ1JF271DY		270 1/16W Metal Oxide	AA
R9806	VRS-CZ1JF271DY		270 1/16W Metal Oxide	AA
R9807	VRS-CZ1JF101JY		100 1/16W Metal Oxide	AA
R9808	VRS-CZ1JF103JY		10k 1/16W Metal Oxide	AA
R9809	VRS-CZ1JF473JY		47k 1/16W Metal Oxide	AA
R9810	VRS-CY1JFR22JY		0.22 1/16W Metal Oxide	AA
R9811	VRS-CZ1JF102DY		1k 1/16W Metal Oxide	AA
R9812	VRS-CZ1JF153DY		15k 1/16W Metal Oxide	AA
			MISCELLANEOUS PARTS	
SC800	QSOCN1892TAZZY		Socket, 18Pin	AD
SC801	QSOCN1892TAZZY		Socket, 18Pin	AD
SC802	QSOCN2492TAZZY		Socket, 24Pin	AE
SC803	QCNCW0694TAZZY		Connector, 6Pin	AD
SC9800	QSOCN1019TAN1Y		Socket, 10Pin	AG
	PSPAZA272WJZZ		Spacer	AB

DUNTKC369QA00
HEAD AMP UNIT

Ref. No.	Part No.	★	Description	Code
			INTEGRATED CIRCUITS	
IC301	VHiLA70050W-1Y		LA70050W	AQ
IC351	VHiPT8146++-1Y		PT8146++	AH
IC1701	VHiLB11993F-1Y		LB11993F	AS
			TRANSISTORS	
Q301	VS2SC4738Y/-1Y		2SC4738Y	AA
Q302	VS2SC4738Y/-1Y		2SC4738Y	AA
Q351	VSXP1111+++-1Y		XP1111+++	AB
Q352	VSXP0431N++-1Y		XP0431N++	AB
Q1701	VSXP6501///-1Y		XP6501	AC
			COILS	
L301	VPAWM4R7MR70NY		Peaking, 4.7µH	AB
L1701	VPD9M100KR86NY		Peaking, 10µH	AC
L1702	VPD9M4R7MR53NY		Peaking, 4.7µH	AB
			CAPACITORS	
C301	VCCCCZ1HH5R0CY		5p 50V Ceramic	AA
C302	VCCCCZ1HH5R0CY		5p 50V Ceramic	AA
C303	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C306	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C308	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C309	VCSATE1AJ476MY		47 10V Tantalum	AD
C311	VCKYCZ1AB104KY		0.1 10V Ceramic	AB
C312	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C313	RC-KZA069WJZZY		4.7 10V Ceramic	AB
C314	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C315	VCKYCZ1EB103KY		0.01 25V Ceramic	AA
C316	VCKYCZ1HB471KY		470p 50V Ceramic	AB

Ref. No.	Part No.	★		Description	Code
C317	VCKYCZ1HB471KY	470p	50V	Ceramic	AB
C318	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C319	VCKYCZ1AB104KY	0.1	10V	Ceramic	AB
C320	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C321	VCCCCZ1HH101JY	100p	50V	Ceramic	AB
C322	VCKYCZ1AB104KY	0.1	10V	Ceramic	AB
C323	VCKYCZ1CB822KY	8200p	16V	Ceramic	AB
C324	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C351	VCKYCY1AF105ZY	1	10V	Ceramic	AC
C352	VCCCCZ1HH101JY	100p	50V	Ceramic	AB
C353	VCCCCZ1HH101JY	100p	50V	Ceramic	AB
C354	VCKYCY1AF105ZY	1	10V	Ceramic	AC
C1701	VCKYCZ1HB222KY	2200p	50V	Ceramic	AB
C1702	VCKYCZ1HB222KY	2200p	50V	Ceramic	AB
C1703	VCKYCY0JB105KY	1	6.3V	Ceramic	AC
C1704	VCKYCY1AF105ZY	1	10V	Ceramic	AC
C1705	VCKYCZ1AB104KY	0.1	10V	Ceramic	AB
C1706	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1707	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1708	RC-KZA030WJZZY	2.2	10V	Ceramic	AB
C1709	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1710	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1711	VCKYCY0JB105KY	1	6.3V	Ceramic	AC
C1712	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1713	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C1714	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1715	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C1716	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C1717	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1718	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1719	VCKYCY1AF105ZY	1	10V	Ceramic	AC
C1720	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1721	VCKYCY1AF105ZY	1	10V	Ceramic	AC
C1722	VCKYCY1EB473KY	0.047	25V	Ceramic	AA
C1723	VCKYCZ1EB472KY	4700p	25V	Ceramic	AB
C1724	VCKYCY1AF105ZY	1	10V	Ceramic	AC
C1725	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1726	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C1727	VCCCCZ1HH101JY	100p	50V	Ceramic	AB
C1728	VCKYCY1AF105ZY	1	10V	Ceramic	AC

RESISTORS

R302	VRS-CZ1JF183JY	18k	1/16W	Metal Oxide	AA
R303	VRS-CZ1JF822JY	8.2k	1/16W	Metal Oxide	AA
R304	VRS-CZ1JF222JY	2.2k	1/16W	Metal Oxide	AA
R305	VRS-CZ1JF272JY	2.7k	1/16W	Metal Oxide	AA
R306	VRS-CZ1JF153JY	15k	1/16W	Metal Oxide	AA
R309	VRS-CZ1JF473DY	47k	1/16W	Metal Oxide	AA
R311	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R312	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R314	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R319	VRS-CZ1JF563JY	56k	1/16W	Metal Oxide	AA
R320	VRS-CZ1JF123JY	12k	1/16W	Metal Oxide	AA
R352	VRS-CZ1JF104JY	100k	1/16W	Metal Oxide	AA
R353	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R354	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R356	VRS-CZ1JF104JY	100k	1/16W	Metal Oxide	AA
R357	VRS-CZ1JF104JY	100k	1/16W	Metal Oxide	AA
R358	VRS-CZ1JF104JY	100k	1/16W	Metal Oxide	AA
R360	VRS-CZ1JF221JY	220	1/16W	Metal Oxide	AA
R364	VRS-CZ1JF221JY	220	1/16W	Metal Oxide	AA
R366	VRS-CZ1JF104JY	100k	1/16W	Metal Oxide	AA
R1700	VRS-CZ1JF151JY	150	1/16W	Metal Oxide	AA
R1701	VRS-CZ1JF151JY	150	1/16W	Metal Oxide	AA
R1702	VRS-CZ1JF182JY	1.8k	1/16W	Metal Oxide	AA
R1703	VRS-CZ1JF182JY	1.8k	1/16W	Metal Oxide	AA
R1704	VRS-CZ1JF103JY	10k	1/16W	Metal Oxide	AA
R1705	VRS-CZ1JF563JY	56k	1/16W	Metal Oxide	AA
R1706	VRS-CZ1JF473JY	47k	1/16W	Metal Oxide	AA
R1707	VRS-CZ1JF103JY	10k	1/16W	Metal Oxide	AA
R1708	VRS-CZ1JF1R0JY	1	1/16W	Metal Oxide	AA
R1709	VRS-CZ1JF1R0JY	1	1/16W	Metal Oxide	AA
R1710	VRS-CZ1JF1R0JY	1	1/16W	Metal Oxide	AA
R1711	VRS-CZ1JF1R0JY	1	1/16W	Metal Oxide	AA
R1712	VRS-CZ1JF105JY	1M	1/16W	Metal Oxide	AA
R1713	VRS-CZ1JF331JY	330	1/16W	Metal Oxide	AA
R1714	VRS-CZ1JF621JY	620	1/16W	Metal Oxide	AA
R1715	VRS-CZ1JF103JY	10k	1/16W	Metal Oxide	AA
R1716	VRS-CZ1JF223JY	22k	1/16W	Metal Oxide	AA
R1717	VRS-CZ1JF330JY	33	1/16W	Metal Oxide	AA
R1718	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R1719	VRS-CZ1JF103JY	10k	1/16W	Metal Oxide	AA
R1722	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R1723	VRS-CZ1JF182JY	1.8k	1/16W	Metal Oxide	AA
R1724	VRS-CZ1JF182JY	1.8k	1/16W	Metal Oxide	AA
R1726	VRS-CZ1JF330JY	33	1/16W	Metal Oxide	AA
R1727	VRS-CZ1JF103JY	10k	1/16W	Metal Oxide	AA
R1728	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R1729	VRS-CZ1JF822JY	8.2k	1/16W	Metal Oxide	AA
R1730	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

P301	QPLGN0576TAZZY	Plug, 5Pin	AC
SC301	QSOCN1092TAZZY	Socket, 10Pin	AD
SC303	QSOCN1092TAZZY	Socket, 10Pin	AD
SC304	QSOCN0706TAN1Y	Socket, 7Pin	AE
SC305	QCNCWA037WJZZY	Connector, 21Pin	AD
SC306	QCNCWA081WJZZY	Connector, 27Pin	AG
SC307	QCNCWA041WJZZY	Connector, 33Pin	AE
SC308	QCNCWA041WJZZY	Connector, 33Pin	AE
SC310	QSOCN1292TAZZY	Socket, 12Pin	AD
SC311	QSOCN1005TAN1Y	Socket, 10Pin	AE
TP301	QLUGZA001WJZZY	Lug	AB
TP302	QLUGZA001WJZZY	Lug	AB

DUNTKC370PM00
OPERATION PWB UNIT

CAPACITORS

C2001	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2002	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2003	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2004	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2005	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2006	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2007	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2008	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2009	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2010	VCKYCY1HB332KY	3300p	50V	Ceramic	AA
C2011	VCKYCY1HB332KY	3300p	50V	Ceramic	AA

MISCELLANEOUS PARTS

SC2002	QSOCN0907REN1Y	Socket, 9Pin	AD
SW2001	QSW-K0100TAZZY	Switch	AC
SW2002	QSW-KA013WJZZ	Switch	AL
SW2007	QSW-K0100TAZZY	Switch	AC

DUNTKC371PM00
LITHIUM PWB UNIT

CAPACITORS

C5800	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C5802	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C5803	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C5804	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA

RESISTORS

R5800	VRS-CZ1JF000JY	0	1/16W	Metal Oxide	AA
R5801	VRS-CZ1JF224JY	220k	1/16W	Metal Oxide	AA
R5802	VRS-CZ1JF224JY	220k	1/16W	Metal Oxide	AA
R5803	VRS-CZ1JF224JY	220k	1/16W	Metal Oxide	AA
R5804	VRS-CZ1JF334JY	330k	1/16W	Metal Oxide	AA
R5805	VRS-CZ1JF334JY	330k	1/16W	Metal Oxide	AA
R5806	VRS-CZ1JF334JY	330k	1/16W	Metal Oxide	AA
R5807	VRS-CZ1JF330JY	33	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R5808	VRS-CZ1JF330JY	33	1/16W Metal Oxide	AA
R5809	VRS-CZ1JF330JY	33	1/16W Metal Oxide	AA
R5810	VRS-CZ1JF000JY	0	1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

J5800	QJAKEA014WJZZ	Jack, 5Pin	AE
RDA5800	QTANZA012WJZZY	Terminal, 2Pin	AE
SC5800	QCNCWA039WJZZY	Connector, 25Pin	AE
SC5801	QCNCW1895TAZZY	Connector, 17Pin	AE
SW5800	QSW-MA001WJZZY	Switch, LCD Close	AD

DUNTKC372PM00
MECHA REVERSION DETECTION PWB UNIT

MISCELLANEOUS PARTS

SW2300	QSW-M0018TAZZY	Switch	AC
	QCNW-B172WJZZ	Connecting Cord	AD

DUNTKC373PM00
VCR OPERATION PWB UNIT

DIODES

LED2101	RH-PXA038WJZZY	PhotoDI	AC
LED2102	RH-PXA037WJZZY	PhotoDI	AB

CAPACITORS

C2101	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB
C2102	VCKYCZ1HB102KY	1000p	50V	Ceramic	AB

RESISTORS

R2101	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA
R2102	VRS-CZ1JF102JY	1k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

SC2101	QSOCN1292TAZZY	Socket, 12Pin	AD
SW2101	QSW-S0212TAZZY	Switch, MEDIA	AD
SW2102	QSW-S0210TAZZY	Switch, VCR/CAM	AD
SW2103	QSW-MA005WJZZY	Switch, EJECT	AD
SW2104	QSW-K0100TAZZY	Switch, STANDBY	AC
SW2105	QSW-K0100TAZZY	Switch, REC	AC

DUNTKC374PM00
ZOOM SW UNIT

CONTROL

VR2201	RVR-VA001WJZZY	Variable Resistor	AG

CAPACITORS

C2201	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB
C2202	VCKYCZ1AF104ZY	0.1	10V	Ceramic	AB

MISCELLANEOUS PARTS

P2201	QPLGN0276TAZZY	Plug, 2Pin	AD
SC2201	QSOCN1006TAN1Y	Socket, 10Pin	AE
SW2201	QSW-K0097TAZZY	Switch, Zoom	AD

DUNTKC375PM20(VL-Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))
INNER LED PWB UNIT

OPT DEVICE

D8101	VHPSPW500BS-1	PhotoDiode	AM

TRANSISTORS

Q8102	VS2SA1362GR-1Y	2SA1362GR	AC
Q8103	VSKTA701UY+-1Y	KTA701UY+	AB
Q8104	VSKRC403E++-1Y	KRC403E++	AC
Q8105	VSKTC601UY+-1Y	KTC601UY+	AC

PACKAGED CIRCUIT

TH8101	VHHS2103J16-1Y	Thermistor	AB

CAPACITORS

C8101	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA
C8102	RC-KZA069WJZZY	4.7	10V	Ceramic	AB
C8103	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA

RESISTORS

R8101	VRS-CY2AF560FY	56	0.1W	Metal Oxide	AA
R8103	VRS-CZ1JF471JY	470	1/16W	Metal Oxide	AA
R8104	VRS-CZ1JF472JY	4.7k	1/16W	Metal Oxide	AA
R8105	VRS-CZ1JF472JY	4.7k	1/16W	Metal Oxide	AA
R8106	VRS-CZ1JF822DY	8.2k	1/16W	Metal Oxide	AA
R8107	VRS-CZ1JF103DY	10k	1/16W	Metal Oxide	AA
R8108	VRS-CZ1JF103JY	10k	1/16W	Metal Oxide	AA

MISCELLANEOUS PART

SC8101	QSOCN1207REN1Y	Socket, 12Pin	AD

DUNTKC395PM00(VL-Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)
LED DRIVER PWB UNIT

INTEGRATED CIRCUIT

IC7101	VHiTK11851L-1Y	TK11851L	AG

DIODE

D7101	VHDFS1J3///-1Y	FS1J3	AD

COIL

L7101	RCiLPA050WJZZY	Coil, 22µH	AD

CAPACITORS

C7101	RC-KZ0075TAZZY	2.2	16V	Ceramic	AC
C7102	VCCCCZ1HH470JY	47p	50V	Ceramic	AB
C7103	RC-KZA107WJZZY	4.7	16V	Ceramic	AC
C7104	VCKYCZ1EB103KY	0.01	25V	Ceramic	AA

RESISTORS

R7101	VRS-CZ1JF000JY	0	1/16W	Metal Oxide	AA
R7102	VRS-CZ1JF000JY	0	1/16W	Metal Oxide	AA
R7103	VRS-CY2AF330FY	33	0.1W	Metal Oxide	AB
R7106	VRS-CZ1JF000JY	0	1/16W	Metal Oxide	AA
R7107	VRS-CZ1JF203JY	20k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

SC7101	QPLGN0474TAZZY	Plug, 4Pin	AD
SC7102	QPLGN0374TAZZY	Plug, 3Pin	AC

DUNTKC396PM00(VL-Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)
LED PWB UNIT

OPT DEVICE

D7151	VHPSPW500BS-1	PhotoDiode	AM
D7152	VHPSPW500BS-1	PhotoDiode	AM
D7153	VHPSPW500BS-1	PhotoDiode	AM

RESISTOR

R7154	VRS-CZ1JF000JY	0	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code

DUNTKC397PM00(VL-Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)
SHOE CONNECTOR PWB UNIT

MISCELLANEOUS PARTS

SC7121	QPLGN0374TAZZY	Plug, 3Pin	AC
SC7122	QJAKEA057WJZZ	Jack, 10Pin	AM

MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
300	CCHSMA013WJ02		Mecha Chassis Service	BQ
301	LCHSMA013WJZZ		Main Chassis Ass'y	AQ
302	QSW-RA002WJZZ		Mode SW	AF
303	QPWBHB546WJZZ		LM/Mode FPC	AG
304	NGERHA001WJFW		Main Cam	AD
305	MLEVFA007WJFW		Ejection Lever	AD
306	NGERHA002WJFW		Sub Cam	AD
307	MLEVFA002WJFW		SL Drive Lever	AD
308	MLEVFA004WJFW		S brake Operating Lever	AC
309	MLEVFA003WJFW		T arm Operating Lever	AE
310	PGiDMA003WJZZ		SLA Support	AC
311	RMOTMA002WJZZ		L Motor Ass'y	AN
312	RDTCH0039GEZZ		Dew Sensor	AD
313	PGiDMA002WJZZ		TLA Support	AC
314	NGERHA007WJZZ		Center Gear	AE
315	RMOTVA001WJZZ		Capstan Motor Ass'y	AY
316	NPLYVA001WJZZ		Relay Pulley	AD
317	CGiDMA012WJ01		Drum Base Ass'y	AN
318	CARMMA003WJ02		Tu Pole Base Loading Arm Ass'y	AP
319	NGERHA005WJZZ		Tu Loading Gear	AC
320	MSPRDA009WJFJ		Tu Press SPR	AC
321	CARMMA001WJ01		S Pole Base Loading Arm Ass'y	AQ
322	NGERHA004WJZZ		S Loading Gear	AC
323	MSPRDA008WJFJ		S Press SPR	AC
324	NGERHA006WJZZ		Loading Drive Gear	AD
325	PGiDMA001WJZZ		Guide Rail	AC
326	MLEVFA005WJZZ		Pinch Press Lever Ass'y	AG
327	MSPRTA002WJFJ		Pinch Press SPR	AC
328	MSPRDA007WJFJ		Pinch Lever Return SPR	AC
329	MLEVFA014WJZZ		Pinch Lever Ass'y	AQ
341	CCHSSA001WJ01		Sensor FPC Affixing Slide Chassis Ass'y	BC
342	LANGGA012WJFW		Slide Adjustment ANG	AC
343	LANGJA001WJFW		T-SPR Adjustment ANG	AC
344	MSPRDA010WJFJ		Tu guide Arm SPR	AC
345	MLEVFA012WJZZ		Tu guide Arm Ass'y	AG
346	MSPRCA022WJFJ		Guide Adjustment SPR	AC
347	PGiDSA003WJFW		Tu Guide Flange	AC
348	PGiDPA001WJFW		Tu Guide	AD
349	LX-NZ0102GEFW		Guide Nut	AC
350	MLEVFA011WJFW		VSR Brake Lever	AE
351	NGERHA008WJZZ		T Brake Gear	AE
352	MLEVPA003WJZZ		T Main Brake	AC
353	NDAiVA001WJZZ		S Reel Table Ass'y	AL
354	NDAiVA002WJZZ		Tu Reel Table Ass'y	AL
355	MLEVPA002WJZZ		S Main Brake	AE
356	MSPRTA004WJFJ		S Brake SPR	AC
357	CLEVFA009WJ01		Tension Arm Ass'y	AK
358	LBNDKA001WJZZ		Tension Band Ass'y	AE
359	MSPRTA011WJFJ		T Arm SPR	AC
371	MARMMA005WJZZ		Swing Arm Ass'y	AG
372	LANGFA011WJZZ		Reel Cover Ass'y	AG
373	LANGGA013WJFW		Down Guide	AF
374	PCOVPA009WJZZ		Cassette Lid	AC
375	TLABHA012WJZZ		Cassette Control Caution Label	AC
376	TLABHA015WJZZ		Cassette Control Lock Label	AC
377	DDRMVA001WJ02		Drum Ass'y	BN
400	LX-BZ3131GEFN		Special Screw M1.4 x L1.6	AA
401	LX-HZ3089GEFF		S Tight M1.4 x 2	AA
402	LX-HZ3076GEFF		S Tight M1.4 x 3	AA
403	LX-BZA016WJFF		Special Screw M1.4 x L2.0	AC
404	LX-BZA015WJFF		Special Screw M1.4 x L1.5	AC
405	LX-BZ3135GEFF		Precision Type2 M1.4 x L1	AA
406	LX-BZA017WJFF		L Motor Installation Screw	AC
407	LX-BZ3159GEFF		Precision Type2 M1.7 x L2.5	AA
408	LX-WZ1029GE00		CW ø 1.2 ø 3t0.25	AA
409	LX-WZ1052GE00		CW ø 0.7 ø 1.8t0.2	AA
410	XWHJZ21-02040		W ø 2.1 ø 4.0t0.25	AA
411	MSPRCA037WJFJ		TP Adjustment Spring	AB
412	PGiDSA004WJFW		TP Bottom Flange	AD
413	PGiDPA002WJFW		T Post	AE
414	PGiDSA005WJFW		TP Top Flange	AD
415	LX-WZA018WJ09		CW 1.2 3 T0.25(Lumirror)	AA

CASSETTE CONTROL PARTS

Ref. No.	Part No.	★	Description	Code
200	CHLDXA002WJ01		Cassette Control Ass'y	AQ
201	LHLDXA002WJZZ		Housing Ass'y	AN
202	MSPRTA005WJFJ		UP-SPR-R	AC
203	MSPRTA008WJFJ		UP-SPR-L	AC

CABINET PARTS LIST

Ref. No.	Part No.	★	Description	Code
1-1	GCOVHA030WJKA		Adjusting Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AD
1-1	GCOVHA030WJKB		Adjusting Cover (Z950E-W)	AD
1-1	GCOVHA030WJKK		Adjusting Cover (Z950E-A)	AE
1-1	GCOVHA030WJKQ		Adjusting Cover (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AE
1-2	GFTAUA001WJSA		Card Lid	AD
1-3	NSFTZA023WJFW		Card Lid Shaft	AA
2-1	GCABAA246WJKF		Camera R Cabinet (Z950E-W)	AK
2-1	GCABAA246WJKK		Camera R Cabinet (Z950E-A)	AK
2-1	GCABAA246WJKQ		Camera R Cabinet (Z700S-T/E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AK
2-1	GCABAA246WJKS		Camera R Cabinet (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AK
2-2	LANGKA120WJFW		PWB Mounting Angle	AG
3	CCABBA337WJK1		KS Camera L Cabinet (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AR
3	CCABBA337WJK3		KS Camera L Cabinet (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS))	AR
3	CCABBA337WJK8		KS Camera L Cabinet (Z950E-A)	AR
3	CCABBA337WJK9		KS Camera L Cabinet (Z950E-W)	AR
3-2	HBDGBA026WJSA		SHARP Badge	AE
3-3	JBTN-A129WJSA		Display Button	AE
3-4	PSPAZA185WJZZ		LCD Spacer	AB
3-5	JKNBPA010WJSA		Battery Lock Knob (Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT)/Z950S-S/ S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/ E-T(WT)/E-T(XT))	AE
3-5	JKNBPA010WJSB		Battery Lock Knob (Z950E-W)	AC
3-6	LANGKA156WJFW		Pop-up Cover Fitting	AD
3-7	LHLDZA147WJSA		Battery Lock Holder	AD
3-8	MSPRCA019WJFJ		Battery Lock Spring	AA
3-9	MSPRCA025WJFJ		Pop-up Cover Spring	AA
3-10	PSPAHA138WJZZ		Top Face Sliding Spacer	AB
3-11	PSPAZA259WJZZ		Top Face Sliding Spacer B	AB
3-12	GCOVAA319WJSA		Pop-up Cover	AC
4	CCABCA013WJK1		KS Terminal Cabinet (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AL
4	CCABCA013WJK2		KS Terminal Cabinet (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AL
4	CCABCA013WJK3		KS Terminal Cabinet (Z950E-W)	AL
4	CCABCA013WJK4		KS Terminal Cabinet (Z950E-A)	AL
4-2	GCOVAA610WJSA		Terminal Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/ E-S/E-S(WS)/E-W)	AE
4-2	GCOVAA610WJSB		Terminal Cover (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AE
5	CCOVAA603WJK1		KS Camera Front Cover (Z900H-S/Z950S-S/S-S(AS)/ S-S(RS)/E-S/E-S(WS))	AM
5	CCOVAA603WJK2		KS Camera Front Cover (Z700S-T/Z800E-T/E-T(WT)/E-T(XT))	AM
5	CCOVAA603WJK3		KS Camera Front Cover (Z950E-T/E-T(WT)/E-T(XT))	AM
5	CCOVAA603WJK4		KS Camera Front Cover (Z950E-W)	AL
5	CCOVAA603WJK5		KS Camera Front Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS))	AM
5	CCOVAA603WJKA		KS Camera Front Cover (Z950E-A)	AM
5-2	GCOVAA322WJKA		Microphone Cover	AF
5-3	GCOVAA611WJSA		Remote Control Cover A (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/ E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-T(XT)/E-W)	AD
5-3	GCOVAA612WJSA		Remote Control Cover A (Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))	AD
5-4	GCOVAA618WJKH		Microphone Grill (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AD
5-4	GCOVAA618WJKJ		Microphone Grill(Z950E-W)	AD
5-4	GCOVAA618WJKK		Microphone Grill(Z950E-A)	AD
5-4	GCOVAA618WJKQ		Microphone Grill (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AD
5-5	HiNDPA696WJSA		Lens Cover Nameplate	AD
5-6	PCOVPA020WJZZ		Microphone Blind Sheet	AB
5-7	QEARPA086WJFJ		Microphone Earth Panel	AC
5-9	RMiCCA009WJZZ		Microphone Cell	AM
5-10	PSHEZA012WJZZ		Microphone Lead Sheet B (Z700S-T/Z900H-S/Z950E-T(XT))	AB
5-14	DUNTKC375PM20		INNER LED PWB Unit (VL-Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))	—
5-14-1	GCOVAA614WJSA		LED Light Cover(Z700S-T/ Z800S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT))	AD
5-14-2	LHLDZA296WJZZ		LED Holder(Z700S-T/ Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT))	AC
5-14-3	VHPSPW500BS-1		LED Light(Z700S-T/ Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT))	AM
5-15	LANGKA215WJFW		Tilt Angle(Z700S-T/ Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT))	AD
5-15	LANGKA130WJFW		Tilt Angle (Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AD
6-1	GCOVAA647WJKH		Camera Top Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS))	AK
6-1	GCOVAA647WJKJ		Camera Top Cover (Z950E-W)	AK
6-1	GCOVAA647WJKK		Camera Top Cover (Z950E-A)	AK
6-1	GCOVAA647WJKQ		Camera Top Cover (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AK
6-2	LANGKA123WJFW		Shoe Fixing Bracket	AF
6-3	LANGKA151WJFW		Top Face Cover Fitting	AF
6-4	LANGTA048WJFW		Shoe Fitting	AE
6-5	QJAKE0083TAZZ		Hot Shoe Unit	AM
6-6	QPWBHC377WJZZ		Hot Shoe FPC	AK
7	GCOVAA326WJSH		Camera Bottom Cover A (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS))	AU

Ref. No.	Part No.	★	Description	Code
7	GCOVAA326WJSJ		Camera Bottom Cover A (Z950E-W)	AU
7	GCOVAA326WJSK		Camera Bottom Cover A (Z950E-A)	AU
7	GCOVAA326WJSQ		Camera Bottom Cover A (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AU
7-2	LANGKA152WJFW		Bottom Cover Angle A	AE
8-1	GCOVAA330WJSA		VF Dust Removing Window Cover	AC
8-2	GCOVAA617WJSA		VF Eye Cap	AH
8-3	GCOVAA619WJSA		VF Eye Cap Fixing Cover	AD
8-4	GCOVAA620WJSA		VF Slide Top Cover	AE
8-5	GCOVAA621WJSA		VF Slide Bottom Cover	AE
8-7	JKNBPA011WJSA		VF Diopter Scale Knob	AC
8-8	LANGGA040WJ00		VF Slide Angle	AK
8-9	LANGKA213WJFW		VF Fitting Angle	AC
8-10	LHLDZA154WJKA		VF Slide Support Holder	AD
8-11	LHLDZA295WJZZ		VF Eyepiece Holder	AD
8-12	LHLDZA318WJZZ		VF Diopter Scale Knob Holder	AD
8-13	MSPRPA021WJFJ		VF Diopter Scale Knob Spring	AC
8-14	PLNSVA002WJNA		VF Lens	AG
8-16	PSLDMA197WJZZ		Copper Foil Sheet (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT)/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-W)	AD
8-17	QEARPA087WJFW		VF PWB Earth Panel	AC
8-18	QPWBHC376WJZZ		VF FPC	AF
8-19	RLCUCA004WJZZ		VF LCD Unit	BG
9-1-2	LANGKA125WJFW		Lens Fixing Bracket A	AF
10-1-1	LANGKA117WJFW		LCD Shield Case	AF
10-1-2	PSHEPA072WJZZ		Lightproof Sheet	AF
10-1-3	PTPEHA017WJZZ		LCD Fixing Tape	AC
10-2	CCABDA015WJK1		KS LCD Cabinet (Z950S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS))	AR
10-2	CCABDA015WJK2		KS LCD Cabinet (Z800E-T/E-T(WT)/E-T(XT))	AR
10-2	CCABDA015WJK3		KS LCD Cabinet (Z950E-T/E-T(WT)/E-T(XT))	AR
10-2	CCABDA015WJK4		KS LCD Cabinet(Z900H-S)	AR
10-2	CCABDA015WJK7		KS LCD Cabinet(Z950E-W)	AR
10-2	CCABDA015WJK9		KS LCD Cabinet (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS))	AR
10-2	CCABDA015WJKG		KS LCD Cabinet(Z950E-A)	AR
10-2	CCABDA015WJKT		KS LCD Cabinet(Z700S-T)	AR
10-2-1	HDECQA329WJSA		LCD Cabinet Decoration Cover(Z950S-S/S-S(AS)/S-S(RS)/ E-A/E-S/E-S(WS))	AH
10-2-1	HDECQA329WJSB		LCD Cabinet Decoration Cover(Z950E-T/E-T(WT)/E-T(XT)/E-W)	AH
10-2-1	HDECQA348WJSA		LCD Cabinet Decoration Cover(Z900H-S)	AH
10-2-1	HDECQA349WJSA		LCD Cabinet Decoration Cover(Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS))	AH
10-2-1	HDECQA349WJSB		LCD Cabinet Decoration Cover(Z800E-T/E-T(WT)/E-T(XT))	
10-2-1	HDECQA408WJSB		LCD Cabinet Decoration Cover(Z700S-T)	
10-2-2	GCOVAA626WJSA		LCD Decoration Plate	AE
10-2-3	PSHEPA099WJZZ		LCD Cabinet Attachment (KS Attachment)	AB
10-2-4	PTPEHA158WJZZ		LCD Decoration Plate Tape	AB
10-3-1	GCOVAA314WJKH		LCD Tilt Cover(Upper) (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS))	AF
10-3-1	GCOVAA314WJKJ		LCD Tilt Cover(Upper) (Z950E-W)	AF
10-3-1	GCOVAA314WJKK		LCD Tilt Cover(Upper) (Z950E-A)	AF
10-3-1	GCOVAA314WJKQ		LCD Tilt Cover(Upper) (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AF
10-3-2	GCOVAA312WJKH		LCD Tilt Cover(Lower) (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AD
10-3-2	GCOVAA312WJKJ		LCD Tilt Cover(Lower) (Z950E-W)	AD
10-3-2	GCOVAA312WJKK		LCD Tilt Cover(Lower) (Z950E-A)	AD
10-3-2	GCOVAA312WJKQ		LCD Tilt Cover(Lower) (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AD
10-3-3	LANGKA119WJZZ		LCD Tilt Unit	AX
10-3-4	QPWBHB736WJZZ		LCD Tilt FPC	AR
10-3-5	TMAGTA001WJZZ		Magnet	AD
10-4	KLMPVA003WJZZ		Lamp Unit	AP
10-6	DUNTKC118QA01		LCD PWB Unit	—
10-7	GCOVAA313WJKM		LCD Front Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/ E-S/E-S(WS)/E-W)	AK
10-7	GCOVAA313WJKR		LCD Front Cover (Z700S-T/Z800E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	AK
10-8	LANGKA118WJFW		LCD Shield Case (Front)	AF
10-9	PGiDM0036TAZZ		Optical Waveguide	AG
10-10	PMiR-A022WJZZ		Reflection Sheet	AC
10-11	PSHEPA076WJZZ		DBEF Sheet	AG
10-12	PSHEPA087WJZZ		Prism Sheet	AF
10-13	PSHEPA092WJZZ		Diffusion Sheet	AD
10-14	PSLDMA283WJZZ		Shield Sheet	AC
10-15	RLCDVA002WJZZ		LCD Panel	BN
10-16	PSHEPA098WJZZ		Lightproof Sheet A	AE
10-17	PSHEPA215WJZZ		Creak-preventive Sheet (Z700S-T/Z900H-S/Z950E-T(XT))	AA
11	DUNTKC362QA50		Main PWB Unit (Z950S-S/S-S(AS))	—
11	DUNTKC362QA52		Main PWB Unit (Z800S-S/S-S(AS))	—
11	DUNTKC362QA53		Main PWB Unit (Z950S-S(RS))	—
11	DUNTKC362QA54		Main PWB Unit (Z950E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-T(XT)/E-W)	—
11	DUNTKC362QA55		Main PWB Unit(Z900H-S)	—
11	DUNTKC362QA56		Main PWB Unit (Z800S-S(RS))	—
11	DUNTKC362QA58		Main PWB Unit (Z800E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))	—
11	DUNTKC362QA62		MAIN PWB Unit(Z700S-T)	—
11-2	LHLDZA173WJZZ		R/C Element Holder	AC
11-3	RRMCUA012WJZZ		R/C	AF
12	DUNTKC367QA50		Sub PWB Unit (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/ E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/ E-W)	—
12	DUNTKC367QA51		Sub PWB Unit (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT))	—
12	DUNTKC367QA52		SUB PWB Unit (Z700S-T)	—
13	DUNTKC370PM00		Operation PWB Unit	—
14	DUNTKC371PM00		Lithium PWB Unit	—
15	GCOVAA334WJSA		Shoe Terminal Cover	AD
17	KLMPWA005WJZZ		Strobe Unit(Z900H-S/ Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AZ
19	LANGKA131WJFW		Heat Release Angle	AE
20	LHLDZA172WJSA		Operation PWB Fixing Holder	AD
21	MLEVPA005WJSA		LCD Lock Lever	AC
22	MSPRCA026WJFJ		LCD Lock Spring	AA

Ref. No.	Part No.	★	Description	Code
24	QEARPA061WJFW		Operation Unit Earth Plate	AC
25	QPWBHC378WJZZ		INNER LED/Strobo FPC	AE
26	QPWBHB742WJZZ		Lithium PWB FPC	AE
28	GFTABA004WJSA		Lithium Lid (Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/ E-S/E-S(WS)/E-T/E-T(WT))	AE
28	GFTABA004WJSB		Lithium Lid(Z950E-W)	AG
29	TLABMA832WJZZ		Model Label(Z950S-S)	AC
29	TLABMA834WJZZ		Model Label(Z950E-S)	AC
29	TLABMA843WJZZ		Model Label(Z900H-S)	AC
29	TLABMA845WJZZ		Model Label(Z800S-S)	AC
29	TLABMA847WJZZ		Model Label(Z800E-S)	AC
29	TLABMA865WJZZ		Model Label(Z950E-T)	AC
29	TLABMA870WJZZ		Model Label(Z800E-T)	AC
29	TLABMA876WJZZ		Model Label(Z950E-W)	AC
29	TLABMA879WJZZ		Model Label(Z950E-A)	AC
29	TLABMA886WJZZ		Model Label(Z950S-S(RS))	AC
29	TLABMA887WJZZ		Model Label(Z950S-S(AS))	AC
29	TLABMA890WJZZ		Model Label(Z950E-S(WS))	AC
29	TLABMA891WJZZ		Model Label(Z950E-T(WT))	AC
29	TLABMA895WJZZ		Model Label(Z950E-T(XT))	AC
29	TLABMA900WJZZ		Model Label(Z800S-S(RS))	AC
29	TLABMA901WJZZ		Model Label(Z800S-S(AS))	AC
29	TLABMA904WJZZ		Model Label(Z800E-T(WT))	AC
29	TLABMA905WJZZ		Model Label(Z800E-T(XT))	AC
29	TLABMA906WJZZ		Model Label(Z800E-S(WS))	AC
29	TLABMB036WJZZ		Model Label(Z700S-T)	AC
30-1	HiNDPA697WJSA		Lens Inscrtption Plate (Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))	AC
30-2	GCOVAA615WJSA		Lens Hood Outside A (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AH
30-2	GCOVAA623WJSA		Lens Hood Outside B (Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))	AH
30-3	GCOVAA382WJSA		Lens Hood Inside (Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))	AE
30-3	GCOVAA616WJSA		Lens Hood Inside (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AC
31	QPWBHB744WJZZ		Hole Sensor PWB	AB
32	VHiEW6671++-1Y		Hole Sensor	AE
33	TLABZA487WJZZ		Feature Label(Z700S-T)	AD
33	TLABZA549WJZZ		Feature Label (Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AD
33	TLABZA550WJZZ		Feature Label (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT)/Z900H-S)	AD
a	XiPSN17P02000		Screw M1.7 x 2	AA
b	XiPSN17P03000		Screw M1.7 x 3	AA
c	XiPSN17P04000		Screw M1.7 x 4	AA
f	XiPSF17P04000		Screw M1.7 x 4	AA
n	LX-HZ0050TAFF		Screw M1.7-4 TAP	AA
o	LX-HZA009WJFD		Screw	AA
p	LX-HZ0063TAFN		Screw M1.7-6 TAP GIN	AA
q	XiPSN17P06000		Screw M1.7-6	AA
r	XiPSN20P08000		Screw M2.0 x 8	AA
s	XiPSF14P06000		Screw M1.4 x 6	AA
x	LX-HZ0050TAFN		Screw M1.7-4 TAP	AA

CABINET MECHANISM PARTS LIST

Ref. No.	Part No.	★	Description	Code
101	CANGKA210WJ01		KS Camera Tilt	BB
101-2	LANGKA210WJFW		Tilt Ring Fitting	AH
101-3	LANGKA211WJFW		Tilt FPC Fitting	AE
101-4	LANGKA212WJFW		Tilt Holding Ring	AR
101-5	LHLDZA165WJZZ		Tilt FPC Fixing Holder	AD
101-6	PSHEPA079WJZZ		Tilt FPC Sheet A	AB
101-7	PSHEPA080WJZZ		Tilt FPC Sheet B	AB
101-8	PSPAZA368WJZZ		Norglide Ring	AK
101-9	PSPAZA369WJZZ		Tilt Ring Epacer	AH
101-10	QCNW-B171WJZZ		Tilt Wire	AF
101-11	QEARPA088WJFN		Tilt Earth Ring	AD
101-12	QPWBHB737WJZZ		Tilt FPC	AN
103	CCOVAA650WJK1		KS Lid Upper Cover (Z800E-T/E-T(WT)/E-T(XT))	AN
103	CCOVAA650WJK3		KS Lid Upper Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AN
103	CCOVAA650WJK4		KS Lid Upper Cover (Z700S-T/Z950E-T/E-T(WT)/E-T(XT))	AN
103	CCOVAA650WJK9		KS Lid Upper Cover (Z950E-A)	AN
103	CCOVAA650WJKA		KS Lid Upper Cover (Z950E-W)	AN
103-2	JBTN-A130WJSA		Snap Button	AG
103-3	JKNBPA020WJSA		Zoom Knob	AE
103-4	LHLDZA291WJZZ		Zoom Knob Holder	AC
103-6	MSPRCA041WJFJ		Zoom Knob Spring	AB
103-7	PSPAZA370WJZZ		Zoom Spacer	AD
104	GCOVAA606WJKH		Tilit Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AG
104	GCOVAA606WJKJ		Tilit Cover(Z950E-W)	AG
104	GCOVAA606WJKK		Tilit Cover(Z950E-A)	AG
104	GCOVAA606WJKQ		Tilit Cover (Z700S-T/Z950E-T/E-T(WT)/E-T(XT))	AG
104	GCOVAA606WJKR		Tilit Cover (Z800E-T/E-T(WT)/E-T(XT))	AG
105	CCOVAA354WJK7		KS VCR Operation Cover (Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))	AN
105	CCOVAA354WJKA		KS VCR Operation Cover (Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	AN
105	CCOVAA649WJK1		KS VCR Operation Cover (Z900H-S)	AN
105-2	GCOVAA344WJZZ		LED Cover	AC
105-3	GCOVAA345WJSA		Power Knob Cover	AE
105-4	JBTN-A132WJSB		Power Lock Button	AC
105-5	JBTN-A133WJSA		S/S Button	AH
105-6	JBTN-A134WJSC		Standby Button	AD
105-7	JKNBPA015WJSC		Power Knob	AD
105-8	MSPRCA023WJFJ		Spring	AA
106	GCOVAA607WJKH		VCR Front Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AG
106	GCOVAA607WJKJ		VCR Front Cover (Z950E-W)	AG
106	GCOVAA607WJKK		VCR Front Cover (Z950E-A)	AG
106	GCOVAA607WJKN		VCR Front Cover (Z800E-T/E-T(WT)/E-T(XT))	AG
106	GCOVAA607WJKQ		VCR Front Cover (Z700S-T/Z950E-T/E-T(WT)/E-T(XT))	AG
108	DUNTKC372PM00		Mecha Reversion Detection PWB Unit	—
109	DUNTKC369QA00		Head Amp PWB Unit	—
110	DUNTKC373PM00		VCR OPERATION PWB Unit	—
111	DUNTKC374PM00		ZOOM SW PWB Unit	—

Ref. No.	Part No.	★	Description	Code
112	GCOVAA337WJSB		Lock Guide Cover	AD
113	GCOVAA608WJKH		VCR Bottom Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS))	AF
113	GCOVAA608WJKJ		VCR Bottom Cover (Z950E-W)	AF
113	GCOVAA608WJKK		VCR Bottom Cover (Z950E-A)	AG
113	GCOVAA608WJKQ		VCR Bottom Cover (Z700S-T/Z950E-T/E-T(WT)/E-T(XT))	AF
113	GCOVAA608WJKR		VCR Bottom Cover (Z800E-T/E-T(WT)/E-T(XT))	AF
114	GCOVAA609WJKH		Strap Cover (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS))	AE
114	GCOVAA609WJKJ		Strap Cover(Z950E-W)	AE
114	GCOVAA609WJKK		Strap Cover(Z950E-A)	AE
114	GCOVAA609WJKQ		Strap Cover (Z700S-T/Z950E-T/E-T(WT)/E-T(XT))	AE
114	GCOVAA609WJKR		Strap Cover (Z800E-T/E-T(WT)/E-T(XT))	AE
115	GFTACA021WJKH		Cassette Lid (Z800S-S/S-S(AS)/S-S(RS)/E-S/E-S(WS)/ Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-S/ E-S(WS))	AK
115	GFTACA021WJKJ		Cassette Lid(Z950E-W)	AK
115	GFTACA021WJKK		Cassette Lid(Z950E-A)	AK
115	GFTACA021WJKQ		Cassette Lid (Z700S-T/Z950E-T/E-T(WT)/E-T(XT))	AK
115	GFTACA021WJKR		Cassette Lid (Z800E-T/E-T(WT)/E-T(XT))	AK
116	JKNBPA021WJSA		Lid Opening Knob	AC
117	JKNBPA014WJSC		Media Selector Knob	AE
118	LANGKA138WJ02		Chassis Frame	AX
120	LHLDZA164WJZZ		Selector Knob Holder	AC
121	LHLDZA178WJZZ		Lid lock Holder	AD
122	MSPRTA007WJFJ		VCR Lid Lock Spring	AB
125	QCNW-B167WJZZ		Operation PWB FFC	AC
126	QEARPA065WJFW		Zoom SW PWB Earth Plate	AC
127	QEARPA066WJFW		Power Knob Earth Plate	AC
128	QPWBHB746WJZZ		Zoom PWB FPC	AE
129	VSP0020P-B3WN		Speaker	AL
132	LHLDE1004TASA		Fixture	AC
133	UBNDTA012WJSA		Hand Strap	AK
a	XiPSN17P02000		Screw M1.7 x 2	AA
b	XiPSN17P03000		Screw M1.7 x 3	AA
d	XiPSF17P02000		Screw M1.7 x 2	AA
e	XiPSF17P03000		Screw M1.7 x 3 (Z800E-T)	AA
f1	XiPSF17P04000		Screw M1.7 x 4	AA
g	LX-BZA024WJFD		Tilt Screw	AC
h	LX-BZ0220TAFC		Screw M1.7 x 2	AB
k	LX-BZA023WJFD		Floating Screw B	AB
u	LX-BZ0221TAFC		Screw M1.7 x 3	AB
w	LX-BZA022WJFN		Floating Screw A	AB
x	LX-HZ0050TAFN		Screw M1.7 x 4 TAP	AA
y	LX-HZ0081TAFN		Screw M1.7 x 5	AA

LENS UNIT PARTS LIST

Ref. No.	Part No.	★	Description	Code
502	DUNTKC365QA50		CCD PWB Unit	—
503	CLNS-A005LM57		CCD Service	BQ
504	PCOVMA004WJ00		Dustproof Rubber	AB
505	PFiLWA017WJZZ		Crystal LFO	AL
506	PLNSAA005WJN2		Lens	BT
507	PSHEGA021WJZZ		Radiating Sheet A	AD
508	PSHEGA027WJZZ		Radiating Sheet C	AE
509	PSLDMA141WJFW		CCD Shield Case	AC
510	QPWBHB738WJZZ		CCD—Main FPC	AD
511	XiPSN17P02000		Screw M1.7 x 2	AA
512	LX-HZ0073TAFD		Screw M1.7 x 5	AA

LED LIGHT UNIT PARTS LIST (VL-Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT)/E-W)

Ref. No.	Part No.	★	Description	Code
600	CSETVA012HA01		LED Light Unit	BB
601	DUNTKC397PM00		Shoe Connector PWB Unit	—
602	JKNBBA001WJSA		Shoe Hold Ring	AC
603	GCABBA350WJKA		LED Bottom Cover	AK
604	DUNTKC396PM00		LED PWB Unit	—
605	DUNTKC395PM00		LED Driver PWB Unit	—
606	QCNW-C078WJQZ		Connecting Wire	AF
607	GCABAA506WJKA		LED Top Cover	AK
608	GCOVAA705WJKA		LED Front Cover	AG
609	GCOVAA706WJSA		Lamp Cover	AD
610	HDECAA018WJSA		Lamp Reflection Plate	AK
611	LHLDZA324WJZZ		LED Holder	AC
612	QJAKEA057WJZZ		System Shoe	AM
613	QCNW-C077WJQZ		Connecting Wire	AH
614	VHPSPW500BS-1		LED	AM
615	SPAKPA269WJZZ		LED Light Unit Packing Bag	AB
z	LX-HZ0018TAFF		Screw M2.0 x 6	AA

Ref. No.	Part No.	★	Description	Code

SUPPLIED ACCESSORIES

ACCESSORIES

	CSETVA012HA01	LED Light Unit (Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	BB
	GCOVHA002WJZZ	Lens Cap	AH
	RRMCGA237WJSA	Remote Control	AN
⚠	UADP-A053WJZZ	AC Adapter	AY
	UBATiA014WJZZ	Battery Pack	BH
	UBATLA001WJZZ	Lithium Battery(CR1216)	AE
	UBATLA002WJZZ	Lithium Battery(CR2032)	AE
⚠	QACCBA025WJPZ	AC Cord (Z800E-S(WS)/E-T(WT)/Z900H-S/ Z950S-S(AS)/E-S(WS)/E-T(WT))	AS
⚠	QACCKA004WJPZ	AC Cord(Z700S-T/ Z800S-S/S-S(AS)/S-S(RS)/E-S/E-T/ Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-T/E-W)	AM
⚠	QACCLA022WJPZ	AC Cord (Z800E-T(XT)/Z950E-T(XT))	AN
	QCNW-B400WJPZ	USB Cable	AH
	QCNW-B932WJPZ	AVS Cable	AS
	CDSKA0080TA01	8M SD Card	BE
	CDSKAA044WJN1	CD-ROM	AG
	QPLGA0001AJZZ	Plug(Z800E-S/E-T/ Z950E-A/E-S/E-T/E-T(XT)/E-W)	AG
	RMiCCA007WJZZ	Zoom Microphone (Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)	BC
	TCAUHA078WJN1	Caution Sentence	AH

NOTE: Operation Manual Language

AR: Arabic	**C: Chinese**	**D: Dutch**
E: English	**F: French**	**G: German**
I: Italian	**P: Portuguese**	**R: Russian**
SP: Spanish	**SW: Swedish**	

TiNS-B141WJN1	Operation Manual(R) (Z950S-S(RS))	AP
TiNS-B142WJN1	Operation Manual(R) (Z800S-S(RS))	AN
TiNSE0383TAN1	Service Card(E) (Z900H-S)	AC
TiNSEA074WJN1	Operation Manual(E) (Z900H-S)	AU
TiNSEA078WJN1	Quick User Guide(E) (Z900H-S)	AG
TiNSLA111WJN1	Operation Manual(E,C) (Z950E-A/E-S/E-T/E-T(XT)/E-W)	AQ
TiNSLA112WJN1	Operation Manual(E,C) (Z800E-S/E-T/E-T(XT))	AQ
TiNSLA115WJN1	Operation Manual(E,C) (Z950E-S(WS)/E-T(WT))	AP
TiNSLA116WJN1	Operation Manual(E,C) (Z800E-S(WS)/E-T(WT))	AP
TiNSLA119WJN1	Operation Manual(AR) (Z950S-S(AS))	AR
TiNSLA128WJN1	Operation Manual(E) (Z700S-T)	
TiNSLA129WJN1	Operation Manual(F,D) (Z700S-T)	
TiNSLA130WJN1	Operation Manual(G) (Z700S-T)	
TiNSLA131WJN1	Operation Manual(I,SW) (Z700S-T)	
TiNSLA132WJN1	Operation Manual(SP,P) (Z700S-T)	
TiNSLA091WJN1	Operation Manual(E) (Z800S-S/S-S(AS))	AK
TiNSLA092WJN1	Operation Manual(F,D) (Z800S-S)	AN
TiNSLA093WJN1	Operation Manual(G) (Z800S-S)	AK
TiNSLA094WJN1	Operation Manual(I,SW) (Z800S-S)	AN
TiNSLA095WJN1	Operation Manual(SP,P) (Z800S-S/S-S(AS))	AN
TiNSLA096WJN1	Operation Manual(E) (Z950S-S/S-S(AS))	AM
TiNSLA097WJN1	Operation Manual(F,D) (Z950S-S)	AQ
TiNSLA098WJN1	Operation Manual(G) (Z950S-S)	AM
TiNSLA099WJN1	Operation Manual(I,SW) (Z950S-S)	AQ
TiNSLA100WJN1	Operation Manual(SP,P) (Z950S-S/S-S(AS))	AQ

ACCESSORIES
(NOT REPLACEMENT ITEM)

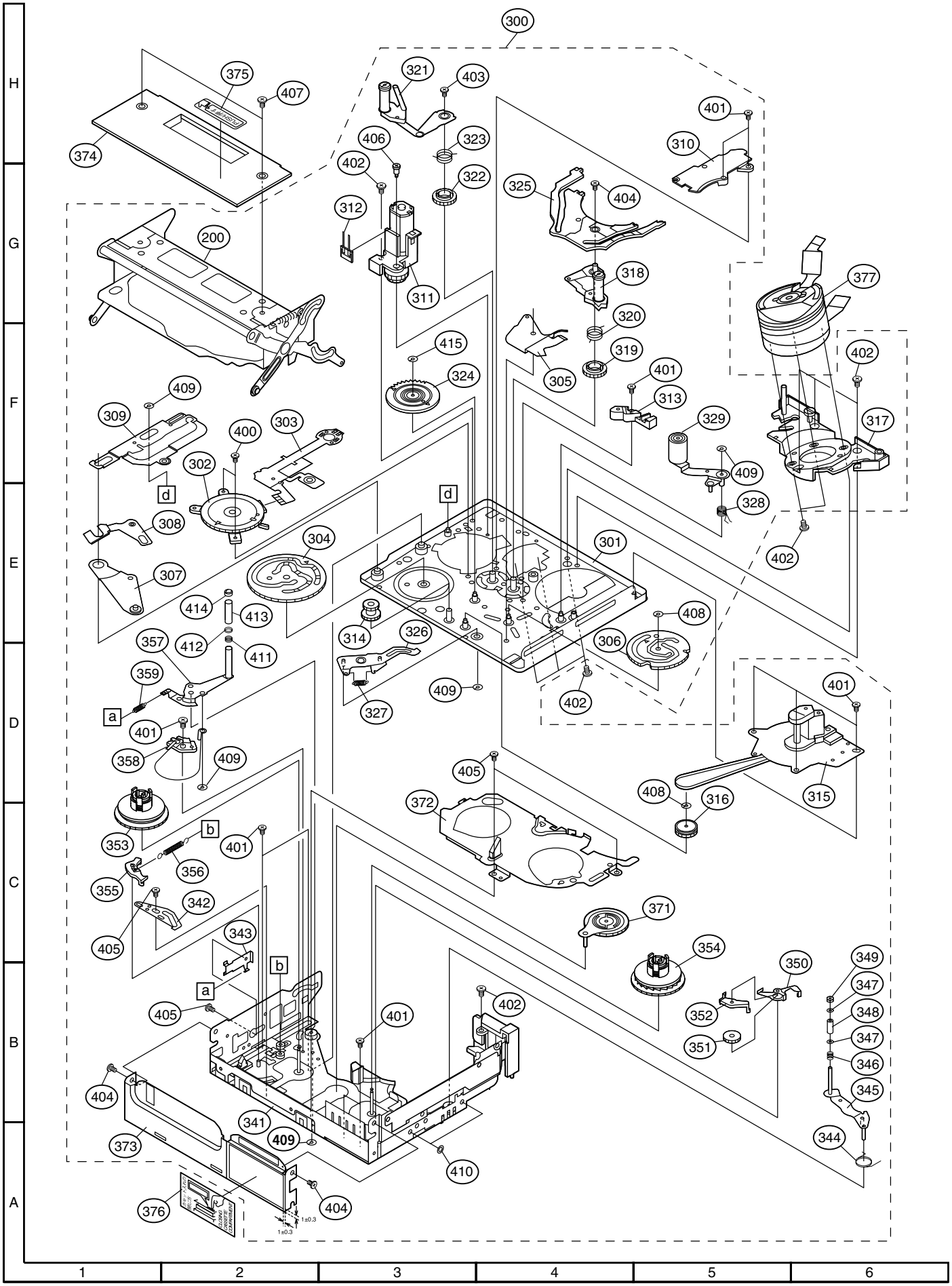
TGAN-A194WJN1	Guarantee Card (Z800S-S(RS)/Z950S-S(RS))	—
TGANEA004WJN1	Guarantee Card (Z900H-S)	—
TGANEA005WJZZ	Guarantee Card (Z950E-T(XT))	—
TGANLA003WJN1	Guarantee Card (Z700S-T/Z800S-S/Z900H-S/Z950S-S)	—
TLABV0178AJZZ	Bar Code Label (Z900H-S/Z950S-S/S-S(AS)/S-S(RS)/E-A/ E-S/E-S(WS)/E-W)	—
TLABV0182AJZZ	Bar Code Label (Z700S-T/Z800S-S/S-S(AS)/S-S(RS)/ E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/ Z950E-T/E-T(WT)/E-T(XT))	—
TLABZ0542TAZZ	The place of origin Label (Z950E-T(XT))	—
TLABZ0525TAZZ	Hong Kong Label (Z950E-S(WS)/E-T(WT))	—

Ref. No.	Part No.	★	Description	Code

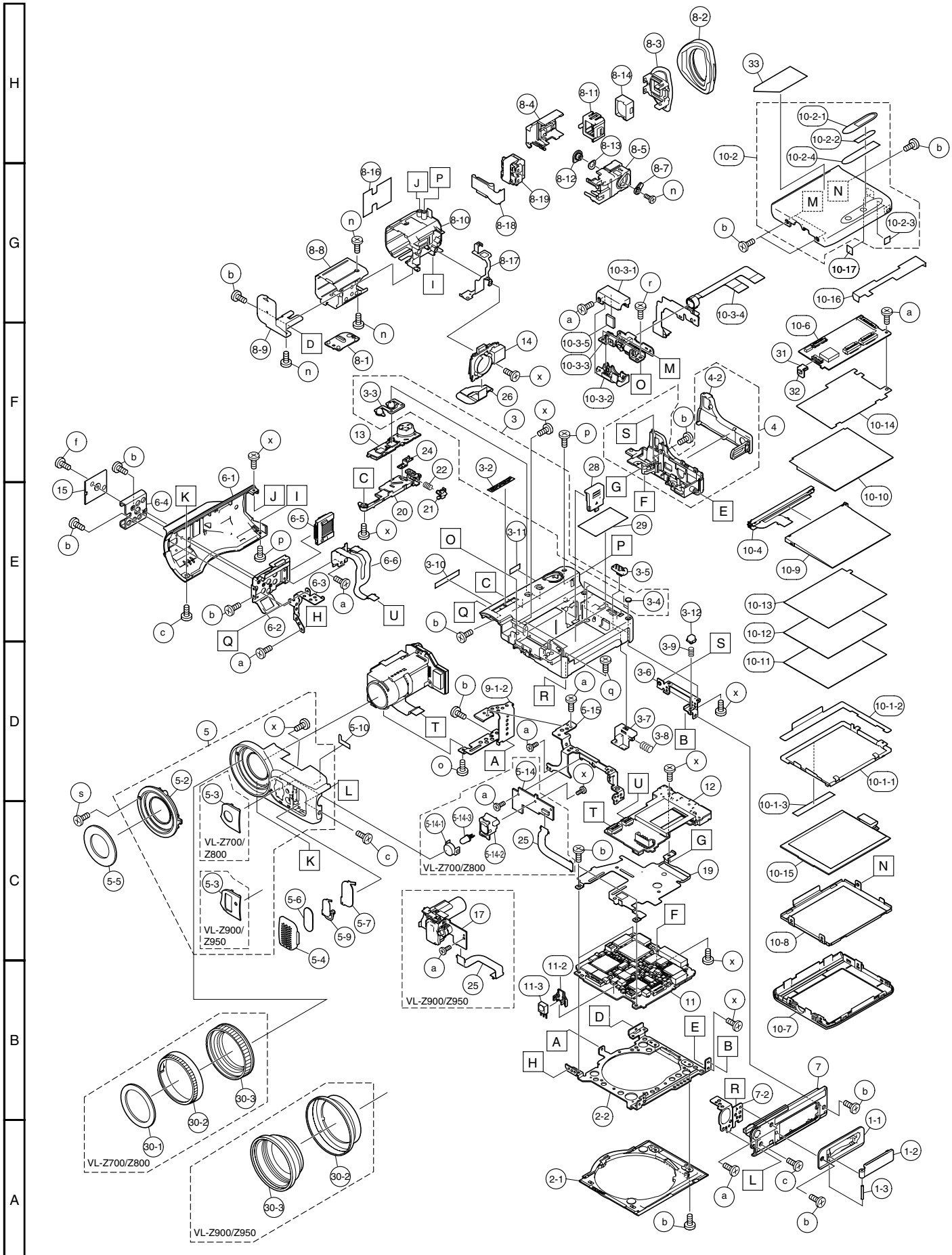
PACKING PARTS
(NOT REPLACEMENT ITEM)

	SPAKAA110WJZZ	Packing Add.(Bottom) —
	SPAKCB102WJZZ	Packing Case — (Z950S-S/S-S(AS)/S-S(RS))
	SPAKCB103WJZZ	Packing Case — (Z900H-S)
	SPAKCB104WJZZ	Packing Case — (Z950E-S/E-S(WS))
	SPAKCB136WJZZ	Packing Case — (Z950E-T/E-T(WT)/E-T(XT))
	SPAKCB137WJZZ	Packing Case — (Z950E-W)
	SPAKCB138WJZZ	Packing Case — (Z950E-A)
	SPAKCB145WJZZ	Packing Case — (Z800S-S/S-S(AS)/S-S(RS))
	SPAKCB149WJZZ	Packing Case — (Z800E-T/E-T(WT)/E-T(XT))
	SPAKCB150WJZZ	Packing Case — (Z800E-S/E-S(WS))
	SPAKCB430WJZZ	Packing Case — (Z700S-T)
	SPAKCB105WJZZ	Accessory Packing Case — (Z900H-S/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/E-T/ E-T(WT)/E-T(XT)/E-W)
	SPAKCB051WJZZ	Accessory Packing Case — (Z700S-T/Z800S-S/S-S(AS)/ S-S(RS)/E-S/E-S(WS)/E-T/ E-T(WT)/E-T(XT))
	SPAKFA197WJZZ	Operation Manual Pad — (Z800E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT))
	SPAKFA418WJZZ	Operation Manual Pad — (Z950S-S)
	SPAKFA419WJZZ	Operation Manual Pad — (Z900H-S)
	SPAKFA420WJZZ	Operation Manual Pad — (Z950E-A/E-S/E-S(WS)/E-T/E-T(WT)/ E-T(XT)/E-W)
	SPAKFA427WJZZ	Operation Manual Pad — (Z950S-S(RS))
	SPAKFA428WJZZ	Operation Manual Pad — (Z950S-S(AS))
	SPAKFA451WJZZ	Operation Manual Pad — (Z800S-S(RS))
	SPAKFA456WJZZ	Operation Manual Pad — (Z700S-T/Z800S-S)
	SPAKFA458WJZZ	Operation Manual Pad — (Z800S-S(AS))
	SPAKPA088WJZZ	Wrapping Paper —
	SSAKA0087TAZZ	Polyethylene Bag — (Z800S-S(AS)/E-S/E-S(WS)/E-T/E-T(WT)/ E-T(XT)/Z950S-S(AS)/S-S(RS)/E-A/E-S/ E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)
	SSAKA0100TAZZ	Polyethylene Bag — (Z800S-S(RS)/Z900H-S)
	SSAKA0109TAZZ	Polyethylene Bag — (Z700S-T/Z800S-S/Z950S-S)
	SPAKPA242WJZZ	Side Pad —
	SPAKPA269WJZZ	LED Packing Bag — (Z950S-S/S-S(AS)/S-S(RS)/E-A/ E-S/E-S(WS)/E-T/E-T(WT)/ E-T(XT)/E-W)

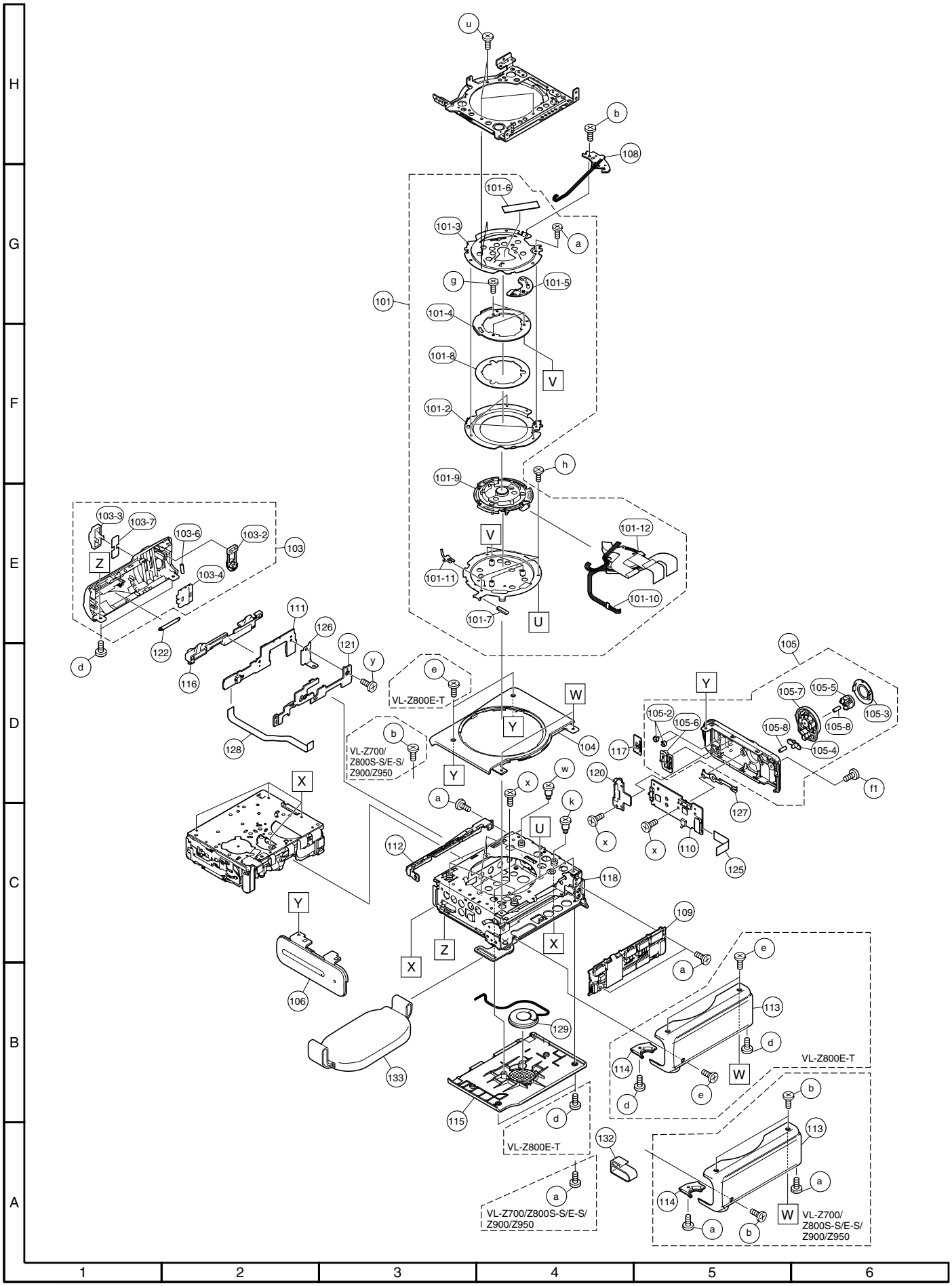
MECHANISM CHASSIS EXPLODED VIEW



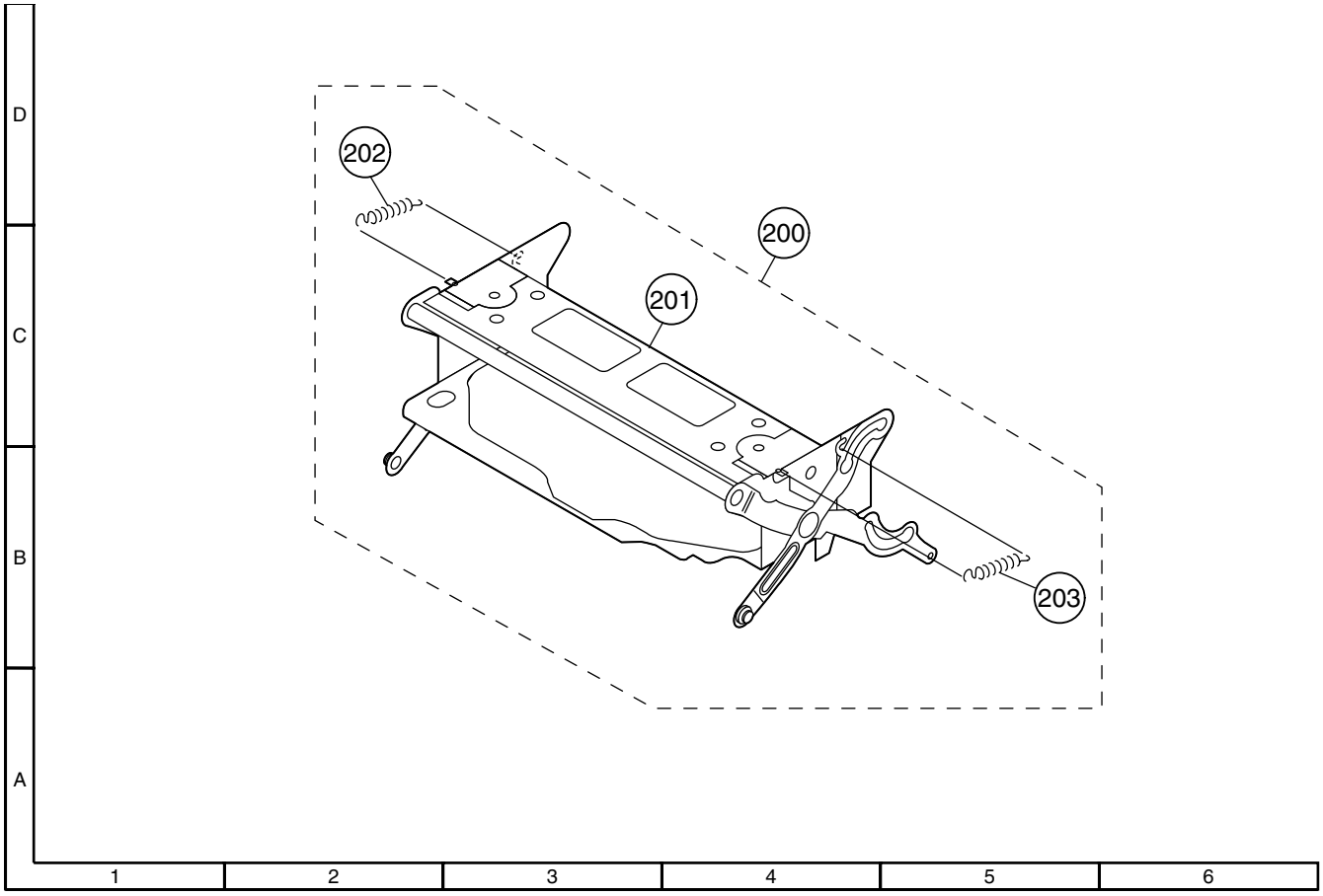
CABINET EXPLODED VIEW



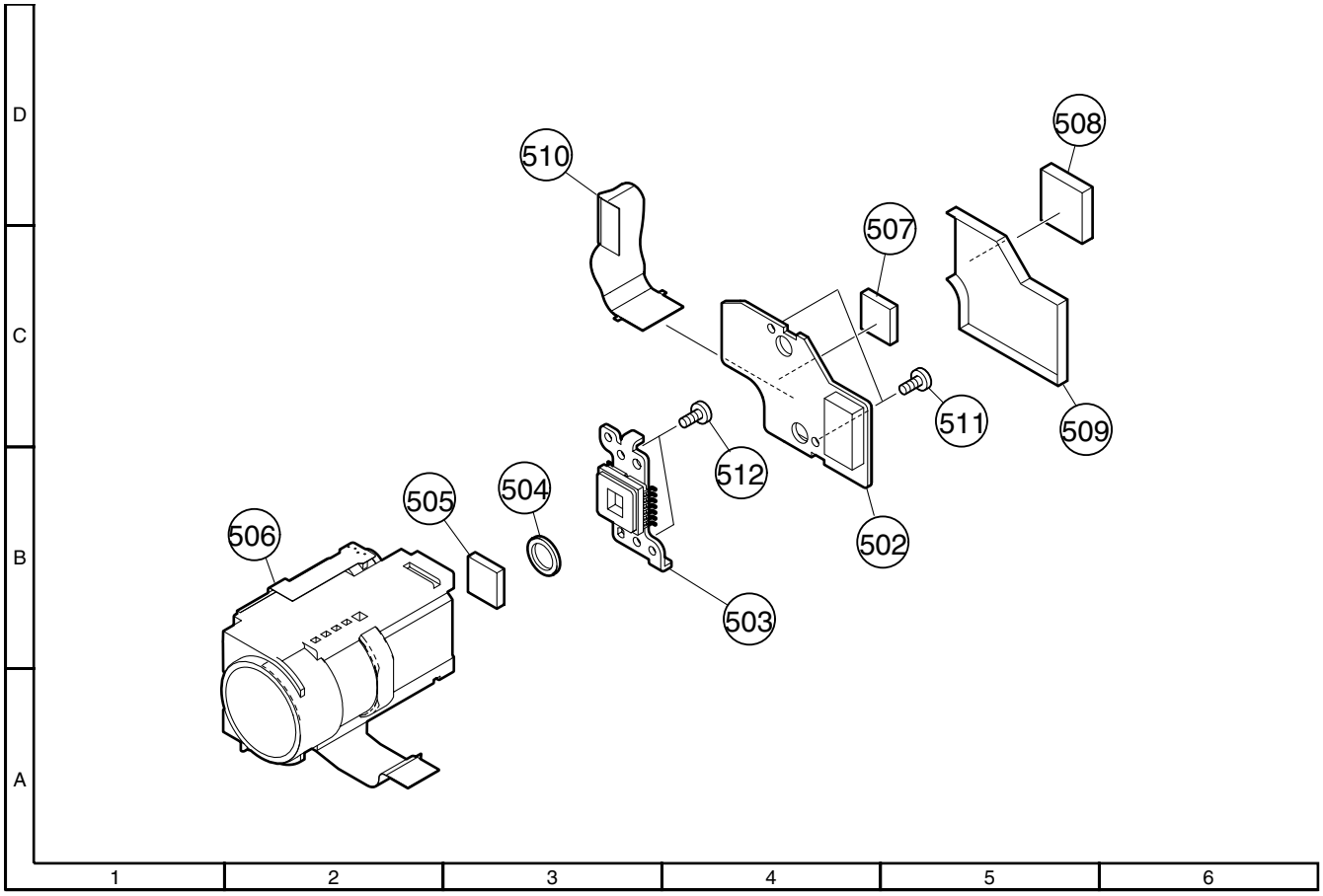
CABINET MECHANISM EXPLODED VIEW



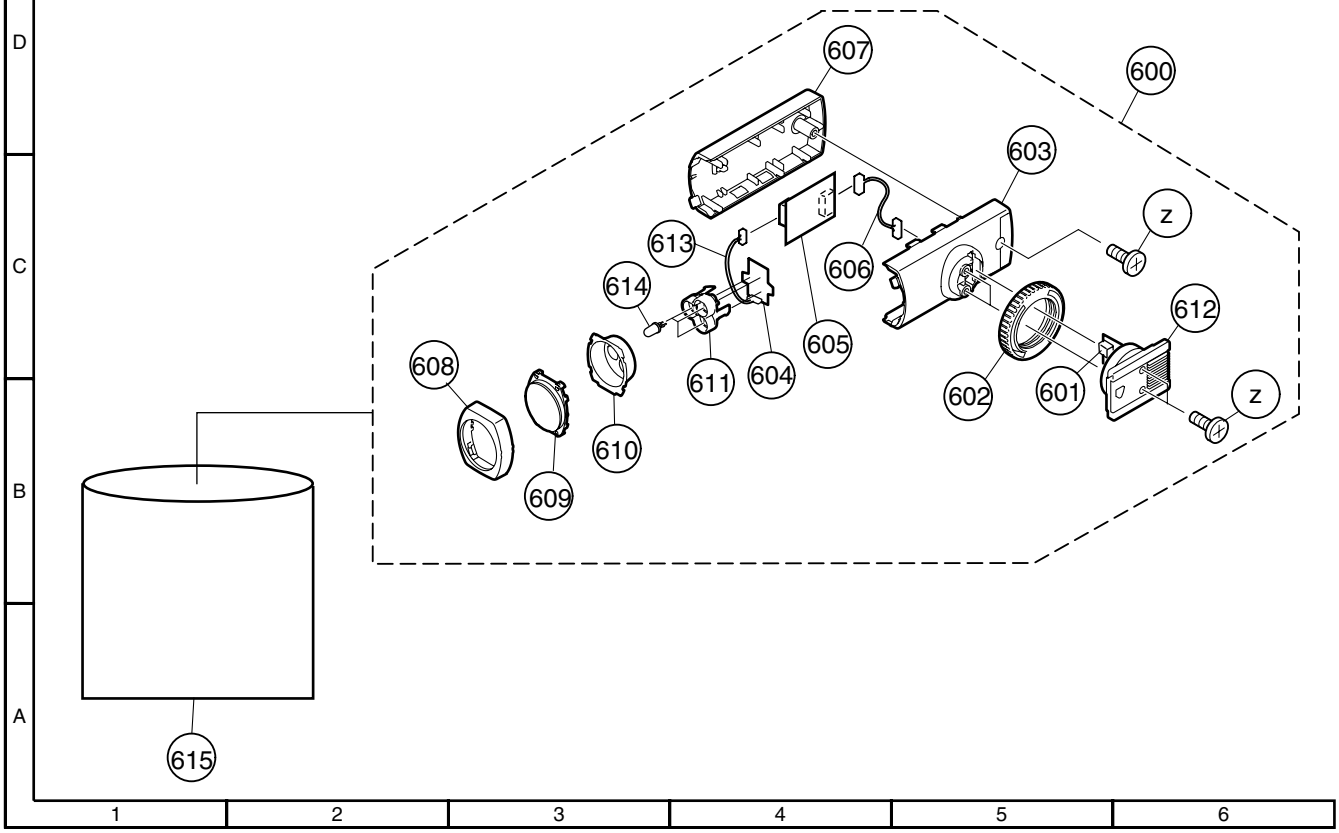
CASSETTE CONTROL EXPLOOD VIEW



LENS UNIT EXPLOOD VIEW



LED LIGHT UNIT EXPLOOD VIEW
(VL-Z950S-S/S-S(AS)/S-S(RS)/E-A/E-S/E-S(WS)/E-T/E-T(WT)/E-T(XT)/E-W)



VL-Z700S-T/Z800S-S/E-S/E-T/Z900H-S/Z950S-S/E-A/E-S/E-T/E-W SERVICE JIG SPECIFICATIONS

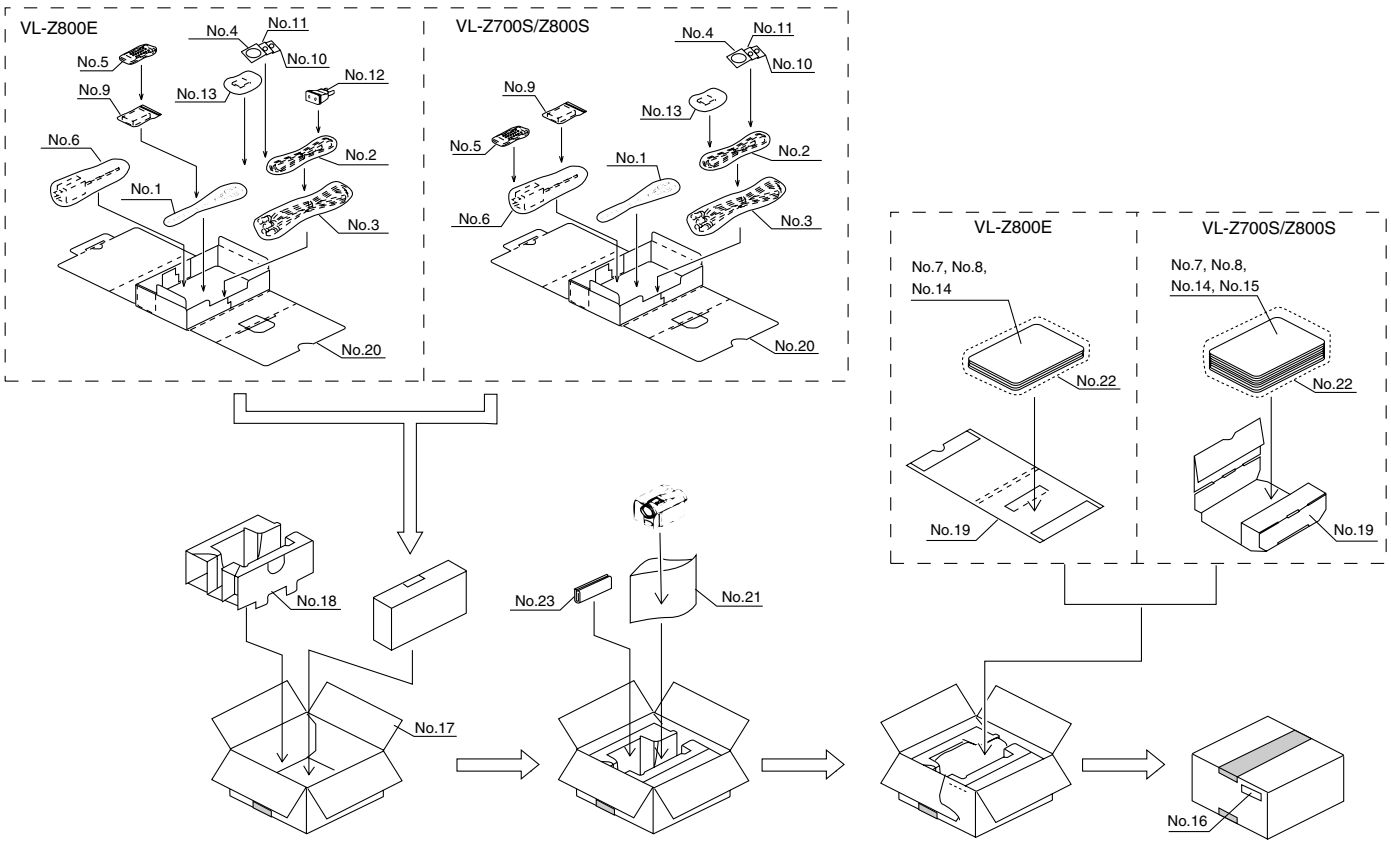
1-1. Adjusting jigs for checking the mechanism

No.	Name	New part	Type number, Application	Part code	Code
1	Cassette torque meter for PB		1mN·m/1.5mN·m	9DASD-1015	DB
2	Torque gauge		For measurement of VS-REW winding torque.	JiGTG0045	CN
3	Torque gauge head		For torque gauge shown left.	9EQTGH-DH5000	BW
4	Tension gauge 4N		For measurement of pinch roller press force.	JiGSG0400	BK
5	Dial tension gauge		PTG-10	9DAPTG-10-10W	CA
6	Torque driver 150mN·m		No. 0 cross bit, No. 00 cross bit	JiGTD1500RTDH	CB
7	Master plane		For checking of height of reel table0.	9EQMP-VLPD1	CL
8	Height adjustment jig		For height adjustment.	9DAHG-PD1	BZ
9	Driver for height adjustment		For adjustment of guide roller. Bit shape.	9EQDRiVER-DH5	BC
10	Alignment tape - (I)		Adjustment of running system(Linear signal)	VR3-GAZXS	CF
11	Alignment tape - (II)		For adjustment of SW point(Color bar signal)	VR3-JPZQS	CG
12	Bit for hexagon nut with opposite side distance of 3 mm		For installation of Tu guide nut.	95CM22001	BL
13	Reel hub for back tension measurement		Refer to Service Manual.	Prepared in the service station.	–
14	String for measuring the pinch roller pressure		Refer to Service Manual.	Prepared in the service station.	–

1-2. Parts for periodical inspection and maintenance

No.	Name	New part	Type number, Application	Part code	Code
1	Oil		Cosmo Hydro HV22	9EQ-OiL-HV22	AE
2	Cleaning paper		Dusper ∑ (SIGMA) ozu Co., LTD	JiGDUSPER	AP
3	Grease: Moly Coat YM-103		Dow corning	99FGREASE-YM103	AH
4	Dry greace CFD-409Z		Sankei Chemical	———————	–
5	Loctite adhesive (1401B)		Three Bond	———————	–

17. PACKING OF THE SET (VL-Z700/S800)



ACCESSORIES

No.	Model	Parts Code	Description	Remarks
1	Z800E-S(WS)/E-T(WT)	QACCBA025WJPZ	AC Cord	⚠
	Z700S-T/Z800S-S/S-S(AS)/ S-S(RS)/E-S/E-T	QACCKA004WJPZ	AC Cord	⚠
	Z800E-T(XT)	QACCLA022WJPZ	AC Cord	⚠
2	– Common parts –	QCNW-B400WJPZ	USB Cable	
3	– Common parts –	QCNW-B932WJPZ	AVS Cable	
4	– Common parts –	GCOVHA002WJZZ	Lens Cap	
5	– Common parts –	RRMCGA237WJSA	Remote Control	
6	– Common parts –	UADP-A053WJZZ	AC Adapter	⚠
7	– Common parts –	TCAUHA078WJN1	Caution Sentence	
8	– Common parts –	CDSKAA044WJN1	CD-ROM	
9	– Common parts –	UBATiA014WJZZ	Battery Pack	
10	– Common parts –	UBATLA002WJZZ	Lithium Battery (CR2032)	
11	– Common parts –	UBATLA001WJZZ	Lithium Battery (CR1216)	
12	Z800E-S/E-T	QPLGA0001AJZZ	Plug	
13	– Common parts –	CDSKA0080TA01	8M SD Card	
14	Z800S-S(RS)	TiNS-B142WJN1	Operation Manual (R)	
	Z800E-S/E-T/E-T(XT)	TiNSLA112WJN1	Operation Manual (E,C)	
	Z800E-S(WS)/E-T(WT)	TiNSLA116WJN1	Operation Manual (E,C)	
	Z700S-T	TiNSLA128WJN1	Operation Manual (E)	
	Z700S-T	TiNSLA129WJN1	Operation Manual (F,D)	
	Z700S-T	TiNSLA130WJN1	Operation Manual (G)	
	Z700S-T	TiNSLA131WJN1	Operation Manual (I,SW)	
	Z700S-T	TiNSLA132WJN1	Operation Manual (SP,P)	
	Z800S-S/S-S(AS)	TiNSLA091WJN1	Operation Manual (E)	
	Z800S-S	TiNSLA092WJN1	Operation Manual (F,D)	
	Z800S-S	TiNSLA093WJN1	Operation Manual (G)	
	Z800S-S	TiNSLA094WJN1	Operation Manual (I,SW)	
	Z800S-S/S-S(AS)	TiNSLA095WJN1	Operation Manual (SP,P)	

ACCESSORIES *(NOT REPLACEMENT ITEM)*

No.	Model	Parts Code	Description	Remarks
15	Z800S-S(RS)	TGAN-A194WJN1	Guarantee Card	★
	Z700S-T/Z800S-S	TGANLA003WJN1	Guarantee Card	★
16	Z700/Z800 Common parts	TLABV0182AJZZ	Bar Code Label	★

PACKING PARTS *(NOT REPLACEMENT ITEM)*

No.	Model	Parts Code	Description	Remarks
17	Z800S-S/S-S(AS)/S-S(RS)	SPAKCB145WJZZ	Packing Case	★
	Z800E-T/E-T(WT)/E-T(XT)	SPAKCB149WJZZ	Packing Case	★
	Z800E-S/E-S(WS)	SPAKCB150WJZZ	Packing Case	★
	Z700S-T	SPAKCB430WJZZ	Packing Case	★
18	– Common parts –	SPAKAA110WJZZ	Packing Add.(Bottom)	★
19	Z800E-S/E-S(WS) E-T/E-T(WT)/E-T(XT)	SPAKFA197WJZZ	Operation Manual Pad	★
	Z800S-S(RS)	SPAKFA451WJZZ	Operation Manual Pad	★
	Z700S-T/Z800S-S	SPAKFA456WJZZ	Operation Manual Pad	★
	Z800S-S(AS)	SPAKFA458WJZZ	Operation Manual Pad	★
20	Z700/Z800 Common parts	SPAKCB051WJZZ	Accessory Packing Case	★
21	– Common parts –	SPAKPA088WJZZ	Wrapping Paper	★
22	Z800S-S(AS)/E-S/E-S(WS)/ E-T/E-T(WT)/E-T(XT)	SSAKA0087TAZZ	Polyethylene Bag	★
	Z800S-S(RS)	SSAKA0100TAZZ	Polyethylene Bag	★
	Z700S-T/Z800S-S	SSAKA0109TAZZ	Polyethylene Bag	★
23	– Common parts –	SPAKPA242WJZZ	Side Pad	★

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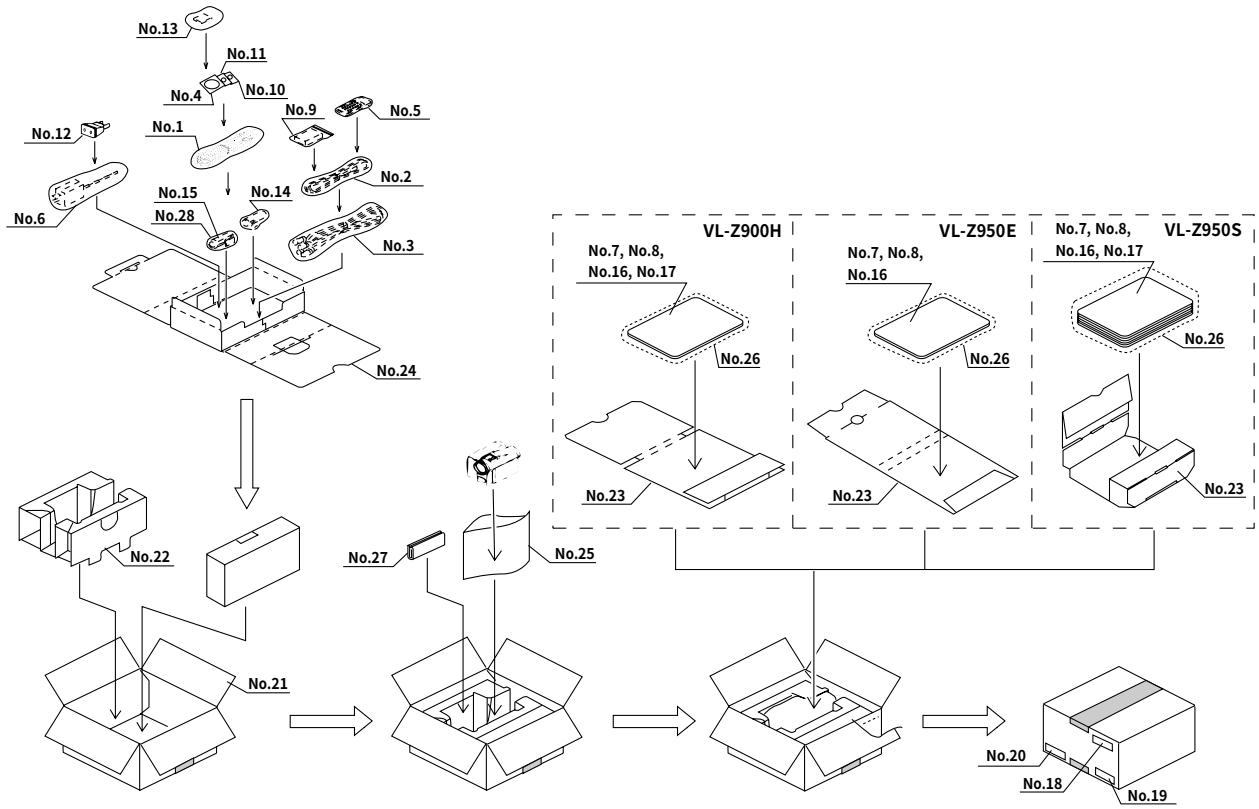
PACKING OF THE SET (VL-Z900/950)



ACCESSORIES

No.	Model	Parts Code	Description	Remarks
1	Z900H-S/Z950S-S(AS)/ E-S(WS)/E-T(WT)	QACCBA025WJPZ	AC Cord	⚠
	Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-T/E-W	QACCKA004WJPZ	AC Cord	⚠
	Z950E-T(XT)	QACCLA022WJPZ	AC Cord	⚠
2	– Common parts –	QCNW-B400WJPZ	USB Cable	
3	– Common parts –	QCNW-B932WJPZ	AVS Cable	
4	– Common parts –	GCOVHA002WJZZ	Lens Cap	
5	– Common parts –	RRMCGA237WJSA	Remote Control	
6	– Common parts –	UADP-A053WJZZ	AC Adapter	⚠
7	– Common parts –	TCAUHA078WJN1	Caution Sentence	
8	– Common parts –	CDSKAA044WJN1	CD-ROM	
9	– Common parts –	UBATiA014WJZZ	Battery Pack	
10	– Common parts –	UBATLA002WJZZ	Lithium Battery (CR2032)	
11	– Common parts –	UBATLA001WJZZ	Lithium Battery (CR1216)	
12	Z950E-A/E-S/E-T/ E-T(XT)/E-W	QPLGA0001AJZZ	Plug	
13	– Common parts –	CDSKA0080TA01	8M SD Card	
14	Z950 only	RMiCCA007WJZZ	Zoom Microphone	
15	Z950 only	CSETVA012HA01	LED Light Unit	
16	Z950S-S(RS)	TiNS-B141WJN1	Operation Manual (R)	
	Z900H-S	TiNSE0383TAN1	Service Card (E)	
	Z900H-S	TiNSEA074WJN1	Operation Manual (E)	
	Z900H-S	TiNSEA078WJN1	Quick User Guide (E)	
	Z950E-A/E-S/E-T/ E-T(XT)/E-W	TiNSLA111WJN1	Operation Manual (E,C)	
	Z950E-S(WS)/E-T(WT)	TiNSLA115WJN1	Operation Manual (E,C)	
	Z950S-S(AS)	TiNSLA119WJN1	Operation Manual (AR)	
	Z950S-S/S-S(AS)	TiNSLA096WJN1	Operation Manual (E)	
	Z950S-S	TiNSLA097WJN1	Operation Manual (F,D)	
	Z950S-S	TiNSLA098WJN1	Operation Manual (G)	
	Z950S-S	TiNSLA099WJN1	Operation Manual (I,SW)	
	Z950S-S/S-S(AS)	TiNSLA100WJN1	Operation Manual (SP,P)	

ACCESSORIES *(NOT REPLACEMENT ITEM)*

No.	Model	Parts Code	Description	Remarks
17	Z950S-S(RS)	TGAN-A194WJN1	Guarantee Card	★
	Z900H-S	TGANEA004WJN1	Guarantee Card	★
	Z900H-S/Z950S-S	TGANLA003WJN1	Guarantee Card	
	Z950E-T(XT)	TGANEA005WJZZ	Guarantee Card	★
18	Z900H-S/Z950S-S/S-S(AS)/ S-S(RS)/E-A/E-S/E-S(WS)/ E-W	TLABV0178AJZZ	Bar Code Label	★
	Z950E-T/E-T(WT)/E-T(XT)	TLABV0182AJZZ	Bar Code Label	★
19	Z950E-T(XT)	TLABZ0542TAZZ	The place of origin Label	★
20	Z950E-S(WS)/E-T(WT)	TLABZ0525TAZZ	Hong Kong Label	★

PACKING PARTS *(NOT REPLACEMENT ITEM)*

No.	Model	Parts Code	Description	Remarks
21	Z950S-S/S-S(AS)/S-S(RS)	SPAKCB102WJZZ	Packing Case	★
	Z900H-S	SPAKCB103WJZZ	Packing Case	★
	Z950E-S/E-S(WS)	SPAKCB104WJZZ	Packing Case	★
	Z950E-T/E-T(WT)/E-T(XT)	SPAKCB136WJZZ	Packing Case	★
	Z950E-W	SPAKCB137WJZZ	Packing Case	★
	Z950E-A	SPAKCB138WJZZ	Packing Case	★
22	– Common parts –	SPAKAA110WJZZ	Packing Add.(Bottom)	★
23	Z950S-S	SPAKFA418WJZZ	Operation Manual Pad	★
	Z900H-S	SPAKFA419WJZZ	Operation Manual Pad	★
	Z950E-A/E-S/E-S(WS)/E-T/ E-T(WT)/E-T(XT)/E-W)	SPAKFA420WJZZ	Operation Manual Pad	★
	Z950S-S(RS)	SPAKFA427WJZZ	Operation Manual Pad	★
	Z950S-S(AS)	SPAKFA428WJZZ	Operation Manual Pad	★
24	Z900/Z950 Common parts	SPAKCB105WJZZ	Accessory Packing Case	★
25	– Common parts –	SPAKPA088WJZZ	Wrapping Paper	★
26	Z950S-S(AS)/S-S(RS)/E-A/ E-S/E-S(WS)/E-T/E-T(WT)/ E-T(XT)/E-W)	SSAKA0087TAZZ	Polyethylene Bag	★
	Z900H-S	SSAKA0100TAZZ	Polyethylene Bag	★
	Z950S-S	SSAKA0109TAZZ	Polyethylene Bag	★
27	– Common parts –	SPAKPA242WJZZ	Side Pad	★
28	Z950 only	SPAKPA269WJZZ	LED Packing Bag	★

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AV Systems Group
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